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VOCATIONAL TRAINING

A CLASSIFIED LIST OF INSTITUTIONS
TRAINING EDUCATED WOMEN FOR
OCCUPATIONS OTHER THAN TEACHING

ASSOCIATION OF COLLEGIATE ALUMNAE BULLETIN

NUMBER I.

Copies of this bulletin may be
obtained from Miss Vide Hunt Francis
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Association of Collegiate Alumnae
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Philadelphia

VOCATIONAL TRAINING

A CLASSIFIED LIST OF INSTITUTIONS
TRAINING EDUCATED WOMEN FOR
OCCUPATIONS OTHER THAN TEACHING

PREPARED BY
THE COMMITTEE ON VOCATIONAL OPPORTUNITIES
OF THE
ASSOCIATION OF COLLEGIATE ALUMNAE

ASSOCIATION OF COLLEGIATE ALUMNAE BULLETIN

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P R E F A C E

Soon after its organization in 1910 the COMMITTEE ON VOCATIONAL OPPORTUNITIES OTHER THAN TEACHING of the Association of Collegiate Alumnæ found that it needed to study not only the occupations already entered by educated women or open to them, but also existing provisions for training for these occupations. In its annual report in 1911 the committee recommended the compilation of a bulletin giving classified information as to vocational training for women in the United States.

In our effort to carry out this recommendation we have prepared the following alphabetical list of occupations and institutions training for them. While most of the information herein contained has been available in catalogues and other publications, it has been unorganized and difficult to obtain and compare. We have attempted to bring the material together in such form that it may be readily used both by those seeking to secure vocational equipment and by those giving such persons information and advice.

So far as we know, it is the first list of its kind in this country. A somewhat similar list has been appearing in different form in England. Like most first attempts, it lays no claim to completeness or to absolute accuracy. It has not been possible for the committee to make any general first-hand study of the institutions listed. The information has been collected by means of cards sent out to various institutions to be filled by their own authorities and returned to the committee with copies of their latest official publications. The returns have been compared with these printed statements, and have been in many cases supplemented by further correspondence and occasionally by personal interviews. Certain institutions made no reply to repeated requests for information. Certain others replying have been omitted for what seem to the committee sufficient reasons. Undoubtedly some institutions that should be included have been omitted, and others have been included where fuller knowledge would not warrant their appearance. We hope that the use of the list will disclose such errors. One of the advantages of its publication in tentative form is that it may thus serve as a definite point of departure for criticism and revision.

Our classification of occupations is likewise tentative and practical rather than exhaustive and logical. Many of the newer occupations belong equally well in several fields, a fact that we have sought to indicate by abundant cross-references. Certain types of institution we have omitted altogether. These include schools of acting, schools of music, schools of oratory, public-speaking and expression; training-schools for nurses except those definitely connected with higher institutions; business or commercial schools except those connected with higher institutions. We likewise omit university and college schools and departments of education except where these offer training in new and special types of teaching. We have made only general entries under Dentistry, Engineering, and Pharmacy, calling attention to the fact that most of the coeducational universities offer training to women in these fields, and that all such schools or departments are listed in the annual reports of the United States Commissioner of Education.

In many types of training, such as training in agriculture or home economics, it has been difficult to make statements regarding length of courses, requirements for admission, etc., that are not misleading. Most of the work offered under these titles is of undergraduate character, leading to a special degree upon the completion of the regular four years' college course. It is often impossible to tell whether an institution offers graduate work. But even where such work is not specifically mentioned, more concentrated technical courses would undoubtedly be provided for women with degrees from colleges of liberal arts.

It must not be supposed that employment in occupations other than teaching is always to be secured easily and promptly even by women with training. Teaching is undoubtedly the largest and best organized field, and from the nature of our institutions will remain so. In other occupations there is more uncertainty and irregularity, and in some lines women are still pioneers. But the fields for trained women are opening and widening rapidly, and with the help of the recently established bureaus of occupation for women and of other agencies, no well equipped woman should meet with undue delay in securing the sort of work for which she is prepared and in which she is interested.

The committee bespeaks the co-operation of all having occasion to use the list in the endeavor to make it more accurate, and gratefully acknowledges the aid that it has received from institutions and individuals in the collection and arrangement of material.

A LIST OF INSTITUTIONS
GIVING VOCATIONAL TRAINING
TO WOMEN

Arranged alphabetically by occupations and by institutions
and courses under each occupation

ACCOUNTANCY—see Business Administration

ACTING—see Preface

ADVERTISING—see Business Administration; Art; Journalism

AGRICULTURE

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS ⁽²⁾	LENGTH OF COURSE ⁽²⁾	DEGREE CON- FERRED ⁽²⁾
University of California College of Agriculture Berkeley, Cal.	General courses in agriculture Special fields (1) Agricultural teaching Bee culture Citri-culture and sub-tropical fruits Dairying Floriculture and landscape gardening Forestry Irrigation Pomology Poultry raising Sugar technology (beetsugar) Tropical agriculture Viticulture and wine making		4 yrs.	B. S.
Colorado Agricultural College Fort Collins, Colo.	General courses in agriculture Special fields (1) Forestry Irrigation and dry farming Irrigation engineering Poultry raising		4 yrs.	B. S.
Cornell University New York State College of Agriculture Ithaca, N. Y.	General courses in agriculture Special fields (1) Agricultural economics Agricultural teaching Dairying Floriculture Forestry Fruit growing Sub-tropical pomology Orchard and bush fruits Landscape gardening Market gardening Nut culture Poultry raising Viticulture		4 yrs.	B. S.

(3) TUITION	(4) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(5) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Free to resi- dents ; non- residents \$10 each half year	Summer ses- sion ; June 23- Aug 2, 1913 Short winter courses Correspond- ence and reading courses	T. F. Hunt Dean		Agricultural journalism Editorial and other work on agri- cultural journals; in the U. S. De- partment of Agriculture, state departments of agriculture, etc. Agricultural teaching in all branches
Free	Short courses	Prof. E. R. Bennett		Bacteriology Experts in government employ ; state and city milk inspection, etc. Bee culture and honey production Cotton raising
Free to resi- dents of New York State; \$100 to others, pay- able semi- annually	Short winter courses Summer ses- sion July 7- Aug. 15, 1913	L. H. Bailey Director		Dairying Milk production ; dairy manufactures— butter, cheese, ice cream, etc. Expert and investigative work in all branches of agricultural science ; government employ

AGRICULTURE

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS ⁽²⁾	LENGTH OF COURSE ⁽²⁾	DEGREE CON- FERRED ⁽²⁾
University of Illinois College of Agriculture Urbana, Ill.	General courses in agriculture Special fields (1) Agricultural teaching Dairying Floriculture Fruit growing Landscape gardening Market gardening Nut culture Poultry raising Viticulture		4 yrs.	B. S.
Iowa State College of Agriculture and Mechanic Arts Ames, Iowa	General courses in agriculture Special fields (1) Agricultural economics Agricultural journalism Agricultural teaching Dairying Fruit growing Forestry Irrigation engineering Landscape gardening Market gardening Poultry raising		2 yrs. 4 yrs.	Certificate B. S.
Lowthorpe School of Landscape Archi- tecture, Gardening and Horticulture for Women Groton, Mass.	Horticulture Landscape gardening		2 yrs. 2 yrs.	

(3) TUITION	(4) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(5) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$24 a year	Summer session	Eugene Davenport Dean		Farming of all sorts Farm management
Residents free; non- residents \$50; \$25 a semester	Summer courses Short winter courses	C. F. Curtiss Dean		Floriculture Managers or independent florists; experts
\$100		Secretary		Forestry Experts in government employ; managers of woodland estates, etc

AGRICULTURE

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS ⁽²⁾	LENGTH OF COURSE ⁽²⁾	DEGREE CON- FERRED ⁽²⁾
Massachusetts Agricultural College Amherst, Mass.	General courses in agriculture Special fields (1) Agricultural economics Agricultural journalism Agricultural teaching Bee culture Dairying Floriculture Forestry Fruit growing Home and school gardens Landscape gardening Market gardening Poultry raising Rural sociology		4 yrs.	B. S.
University of Michigan Ann Arbor, Mich.	Forestry Landscape design		5 yrs. 4 yrs.	M. S. Bach. in landscape design
Michigan Agricultural College East Lansing, Mich.	General courses in agriculture Special fields (1) Agricultural journalism Agricultural teaching Dairying Floriculture Forestry Fruit growing Landscape gardening Market gardening Poultry raising		4 yrs.	B. S.

(3) TUITION	(4) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(5) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Free to residents ; non-residents \$40 a year	Summer School of Agriculture and Country Life and School for Rural Social Workers 1913 Short winter courses Correspondence courses	K. L. Butterfield, President		Fruit growing : citrus and semi-tropical fruits ; small fruits ; orcharding Managers or independent growers ; experts
Matriculation fee, payable on first entering ; for residents \$10 ; non-residents \$25 ; summer school fee \$20	Summer courses	Shirley W. Smith, Secretary of the University		Grape growing and wine making
Free to residents ; non-residents, fee of \$5 a term	Short winter courses	J. L. Snyder President		Irrigation Positions chiefly in offices of irrigation companies or in government offices

AGRICULTURE

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS ⁽²⁾	LENGTH OF COURSE ⁽²⁾	DEGREE CON- FERRED ⁽²⁾
University of Missouri College of Agriculture Columbia, Mo.	General courses in agriculture Special fields (1) Agricultural journalism Bee culture Dairying Floriculture Forestry Fruit growing Landscape gardening Market gardening Poultry raising Rural sociology		2 yrs. (4 mos. each yr.) 4 yrs. 5 yrs.	Certificate B. S. M. F.
University of Nebraska College of Agriculture Lincoln, Neb.	General courses in agriculture Special fields (1) Agricultural teaching Dairying Floriculture Forestry Fruit growing Irrigation engineering Landscape gardening Market gardening		4 yrs.	B. S.
New York University University Heights New York City	School garden course	Qualifications determined by instructor	6 weeks	
Ohio State University College of Agriculture Columbus, Ohio	General courses in agriculture Special fields (1) Agricultural economics Agricultural teaching Dairying Forestry Fruit growing Market gardening Poultry raising		2 yrs. 4 yrs.	Certificate B. S.

(3) TUITION	(4) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(5) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Non-residents \$20	Summer courses Short winter courses	F. B. Mum- ford, Dean		Landscape gardening On independent or salaried basis. Positions as consulting gardener for group of employers
Non-residents \$30	Summer courses	E. A. Burnett Dean		Market gardening
\$10-\$15 for each hour of course	Summer session 6 weeks	Director of summer session		Milk inspection Under civil service, commercial or philanthropic auspices
Free	Summer ses- sion 8 weeks Short winter courses	H. C. Price Dean		

AGRICULTURE

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS ⁽²⁾	LENGTH OF COURSE ⁽²⁾	DEGREE CON- FERRED ⁽²⁾
Oregon Agricultural College Corvallis, Ore.	General courses in agriculture Special fields ⁽¹⁾ Agricultural teaching Bee culture Dairying { milk production or { dairy manufacture Floriculture Forestry Fruit growing Irrigation farming Landscape gardening Market gardening Poultry raising		4 yrs.	B. S.
Pennsylvania School of Horticulture for Women Ambler, Pa.	General courses in horticulture Special fields Bee-keeping Floriculture Fruit raising Gardening Landscape gardening Market gardening Poultry raising Preserving of fruits and vegetables		2 yrs.	
Pennsylvania State College School of Agriculture State College, Pa.	General courses in agriculture Special fields ⁽¹⁾ Agricultural teaching Dairying Floriculture Forestry Fruit growing Landscape gardening Market gardening Nut culture Poultry raising		4 yrs.	B. S.

(3) TUITION	(4) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(5) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Free	Summer courses Short winter courses	A. B. Cordley Dean		Nut culture Poultry raising
\$150		M. Catherine Straith Principal		Rural economics Teaching; research work, e. g. investigation of markets, labor conditions, land tenure, crop production and distribution, etc.
Free Fixed charges (excepting laboratory fees) \$26.50 1st semester \$23.50 2nd semester	Short winter and summer courses Correspond- ence courses	Thomas F. Hunt, Dean		Rural sociology Teaching; social work; social surveys, etc. School and home gardening for children under public or private auspices

AGRICULTURE

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS ⁽²⁾	LENGTH OF COURSE ⁽²⁾	DEGREE CON- FERRED ⁽²⁾
Purdue University School of Agriculture Lafayette, Ind.	General courses in agriculture Special fields (1) Dairying Fruit growing Landscape gardening Market gardening Poultry raising		4 yrs.	B. S.
Warelands Dairy School "The Warelands" Norfolk, Mass.	Dairying		6 weeks	
University of Washington Seattle, Wash.	Forestry		4 yrs.	B. S.
University of Wisconsin Madison, Wis.	General courses in agriculture Special fields (1) Agricultural economics Agricultural journalism Agricultural teaching Dairying Floriculture Fruit growing Market gardening Poultry raising		2 yrs. 4 yrs.	Graduate in agri- culture B. S.

(3) TUITION	(4) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(5) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
For residents \$35 ; non-res- idents \$60	Summer session Short winter courses	J. H. Skinner Dean		Stock raising Stock farm managers ; producers of beef, mutton, wool ; horse ranching
Tuition and board \$100	Summer course	Mrs. C. B. Ware, "The Warelands " Norfolk Mass.		Sugar farming and manufacture
Free to resi- dents	Short courses Summer courses	F. G. Miller Dean		
Free to resi- dents ; non- residents \$35	Short courses Summer courses	H. L. Russell Dean		

NOTES ON AGRICULTURE

- (1) Certain subjects in which courses of more or less thoroughness are given in practically all the agricultural colleges have not been specially listed. These subjects are: Agricultural Chemistry; Agricultural Engineering (with the exception of Irrigation Engineering); Agronomy; Animal Husbandry (with the exception of Poultry raising); Bacteriology (Plant Diseases, Dairy Bacteriology, Veterinary Bacteriology); Biology; Entomology; Farm Management.
- (2) The admission requirements in most of the institutions are the regular college entrance requirements. For college graduates, therefore, the length of the course would depend largely upon individual preparation and needs.

Opportunities for graduate work of more or less value and for the attainment of advanced degrees may be had in almost any of the institutions listed. For more particular information see U. S. Bureau of Education Bulletin, 1911: No. 2, "Opportunities for Graduate Study in Agriculture in the United States" and its supplement, or the circulars of particular institutions.

ANIMAL HUSBANDRY—see Agriculture

ARCHITECTURAL SCULPTURE—see Art, Fine and Industrial

ARCHITECTURE—See Landscape Architecture and Landscape Gardening

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	(1) LENGTH OF COURSE	(1) DEGREE CON- FERRED
University of California Department of Architecture Berkeley, Cal.	Regular course in architecture	Two years college work with pre-scribed courses in mathematics drawing physics, civil engineering and architecture	4 yrs.	B. S. in architecture
Carnegie Institute of Technology School of Applied Design Pittsburgh, Pa.	Regular course in architecture Construction design (1914-1915) Teachers' course including credits in architecture Evening courses	Certification or examination in specified college entrance subjects, options in drawing modeling, etc	4 yrs. minimum in day course 2 yrs. in teachers' course	Day course B. A. in architecture Evening course certificate.

- (3) It has been difficult here to make a fair comparison of the tuition paid in the various institutions, as some of the institutions count tuition as free, but demand a considerable sum total of fees. As a rule fees have not been included under this heading.
- (4) When it has been ascertainable that short courses of less than one academic year's duration are given in the institutions listed, that fact has been entered under this heading.
- (5) This list of occupations is merely suggestive. It should be noted that openings for women without capital or special opportunity are seldom found outside of journalism, teaching, investigation or social work in agriculture.

under Agriculture ; Art, Fine and Industrial

TUITION	(2) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$20 for non-residents	Summer courses	Prof. John G. Howard		Architecture as an independent profession. There are a few independent women architects, but for the most part women with this training are in salaried positions in architects' offices. Dealings with contractors, etc., are said to stand in the way of women architects, but some women have met these difficulties
Day courses for residents \$43 ; for others \$53 Evening courses for residents \$16 for others \$18	Evening courses	C. Russell Hewlett, Dean of School of Applied Design	Important architectural competitions open to students It has not been ascertained whether these are open to women	Architectural design Architectural drafting Salaried positions in offices

ARCHITECTURE

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	(1) LENGTH OF COURSE	(1) DEGREE CONFERRED
Chicago School of Architecture Art Institute of Chicago and Armour Institute of Technology Chicago, Ill.	Regular course in architecture	Examination in one of the courses of the Scientific Academy of the Armour Institute	4 yrs.	B. S. in architecture
Columbia University Faculty of Fine Arts School of Architecture New York City	Regular course in architecture	Certificate 14½ units in mathematics languages history, etc. Bach. Arch. degree, two years of college or scientific school work	4 yrs. (average)	B. Arch. or professional certificate
Cornell University College of Architecture Ithaca, N. Y.	Regular course in architecture	College entrance	4 yrs.	B. Arch.
Drexel Institute Department of Architecture Philadelphia, Pa.	Regular course in architecture Evening courses in Architectural drawing Architectural design House construction drawing Building construction	Examination in common branches mechanical and free hand drawing	3 yrs.	Diploma
University of Illinois Department of Architecture Urbana, Ill.	Regular course in architecture	College entrance	4 yrs.	B. S.

TUITION	(2) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$125, \$75 first semester \$50 second semester	Summer courses	Registrar Art Institute Chicago	"Home Travelling "Scholarship" of \$250	Architectural journalism Positions on technical architectu- ral journals or in connection with departments of house building and furnishing in popular periodicals.
\$200, \$100 semi- annually	Summer courses	Prof. Anstin W. Lord	10 scholarships of \$200 each after first year in cases of proved need and good aver- age scholarship — 3 graduate fellow- ships \$825 to \$1000	Architectural lecturing This field might be developed on its practical, theoretical and his- torical sides
\$150 payable semi- annually	Summer courses	Prof. Clarenc A. Morton	1 fellowship (\$500) 1 graduate scholar- ship (tuition)	Architectural teaching In schools or departments of house- hold arts, design, interior decorat- ing, etc. Theoretical, historical and practical courses possible.
\$100, \$50 per term	Evening courses	Registrar Drexel Institute		Consulting architect, employment as Women might develop this field, especially with reference to the interior arrangements of a house
\$12 a semester	Summer session	W. F. M. Goss Dean		

ARCHITECTURE

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	(1) LENGTH OF COURSE	(1) DEGREE CON- FERRED
Lowthorpe School of Landscape Archi- tecture, Gardening and Horticulture for Women Groton, Mass.	Course in landscape architecture Architectural drawing History of architecture and landscape architecture Forestry Road construction Surveying and engineering	Equivalent of high school education	2 yrs.	Diploma
Massachusetts Institute of Technology Department of Architecture Boston, Mass.	Regular course in architecture	One year or more of col- lege work	4 yrs.	B. S.
University of Michigan Department of Engineering Ann Arbor, Mich.	Regular course in architecture	Regular college entrance Technical deficiencies may be made up after admission	4 years and one summer session of 8 weeks	B. S. in archi- tecture
New York School of Applied Design for Women New York City	Regular course in architecture and architectural drafting	Examination in work of elementary department of school meeting re- quirements of Society of Beaux Arts Architects	More than 2 years	

TUITION	(2) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$100		Secretary Lowthorpe School		Interior decorating A knowledge of architectural principles and periods necessary for the best results
\$250	Summer courses	Prof. James Knox Taylor	\$1000 travelling scholarship available every four years 2 \$200 prizes to architectural students	
Matriculation fee (paid once) \$10 for residents; \$55 for non-residents Incidental fees \$45 for residents \$55 for non-residents	Summer courses	M. E. Cooley Dean		Landscape architecture Same as above
\$75 a year \$25 a term		Ellen J. Pond Superintendent	The Society of Beaux Arts Architects has appointed the school as the headquarters for women architects in New York City, where they can take the problems required for entrance, and follow the regular course of work as students of the Society	Landscape gardening Similar but with less stress on formal relations of garden to style of house

ARCHITECTURE

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	(1) LENGTH OF COURSE	(1) DEGREE CON- FERRED
Ohio State University Department of Architecture Columbus, Ohio	Regular course in architecture	Certification or examination; special students admitted to courses not having prescribed prerequisites	4 yrs.	B. Arch.
Pratt Institute School of Applied and Fine Arts Brooklyn, N. Y.	Architectural construction Architectural design	High school education and examination in elementary free hand and instrumental drawing	4 yrs.	Certificate
Syracuse University College of Fine Arts Department of Architecture Syracuse, N. Y.	Regular course in architecture	Certification or examination in specified college entrance subjects and free hand and mechanical drawing	4 years (average) plus office experience the equivalent of two summer vacations in architects' offices	B. Arch.

- (1) Only the length of the regular undergraduate course in architecture is given. Opportunities for graduate work and the attainment of advanced degrees may be had in almost every institution.
- (2) It has not always been ascertainable from the returns received whether the summer courses given include architecture.
- (3) This list of occupations is merely suggestive.

TUITION	(2) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$20 a year \$10 each semester	Summer courses	Prof. J. U. Bradford		Special fields in architecture Women thinking of entering arch- itecture should consider where women might best specialize — in interior arrangement of houses, in school architecture, etc. Such specialization is, however, a mat- ter for the future
\$63 a year fall term \$23 winter " \$20 spring " \$20	Evening classes	W. S. Perry Director		
\$120 in 3 in- stallments For sons and daughters of clergymen \$75		G. A. Parker Deau		

ART, FINE AND INDUSTRIAL — See Architecture and Household

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Art School of the Allbright Art Gallery Buffalo, N. Y.	Academic courses Decorative design, handicraft Basketry Bead weaving Book covers Enamel Furniture Jewelry Leather work Metal work Wall paper Wood carving Illustration		No time limit	
School of the Museum of Fine Arts Boston, Mass.	Academic courses Design When a sufficient number of students apply, classes conducted by special- ists are formed in Bookbinding Furniture design Illustration Interior decoration Jewelry and metal work Mural painting,		Depend- ent on the pupil	Diploma
Chicago Academy of Fine Arts Chicago, Ill.	Academic and normal courses Dress design Illustration Commercial illustration (for advertisers, etc.) Illustration proper Interior decoration	High school education	80 weeks of 35 hrs. each, be- ginning Sept. Jan, May	Super- visor of Art (normal course)

Economics

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$1.25 to \$7.00 a month	Evening classes	Arletta Lothrop Supt.		The occupations for which various types of art-training prepare are many and unstandardized. Their range may be determined by consulting the lists of courses offered by different institutions. In general, courses in the fine arts have been included only because they underlie the various forms of applied art. Art as such does not come within the scope of this bulletin any more than do acting, dramatic reading and music
Annual registration fee \$10 a year Tuition: in the Academic Courses 1st term \$45 2d " \$45 3d " \$35 in the Dept. of Design \$110 a year \$55 in advance \$55 Feb. 1st		Alice F. Brooks Manager Huger Elliott Secretary of Council	Paige Travelling Scholarship \$1200 a year for 2 years awarded every 2 years	
\$110 payable during first 3 months		Carl N. Werntz Director	Provisions for placing students: arrangements with manufacturers teachers, magazines advertising and other agencies; and a solicitor who sells the students drawings	

ART, FINE AND INDUSTRIAL

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
The Art Institute of Chicago Chicago, Ill.	Academic and normal courses Ceramic painting Decorative design Illustration Mural painting		Normal course 3 years	
Art Academy of Cincinnati Cincinnati, Ohio	Academic and normal courses Design Etching (if desired) Leather work Metal work Porcelain painting Wood carving		3 yrs. for teachers' certificate	
Carnegie Institute of Technology (a) Margaret Morrison Carnegie School for Women (b) School of Applied Design Pittsburgh, Pa.	Academic and normal courses (a) Costume economics History of costume History of textiles Costume, lace and embroidery design Home arts and crafts Basketry Ceramics Lace making Metal work Weaving Painting and Decoration (b) Academic and normal courses Decoration and design Furniture design (Evening course) Illustration Interior decoration Stage decoration Scenery and costuming (Planned for immediate future) Stained glass design (Evening course)	Certification or examina- tion (a) in Eng- lish, history mathematics science, one modern lan- guage (b) also op- tions in drawing modeling architectu- ral drawing	4 yrs. in day courses 4 yrs. in evening courses teachers' continua- tion courses	(a) Day courses B. S. B. S. in education Evening courses certificate (b) Day courses B. A. Evening courses certificate

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(8) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$90 \$30 for full term of 12 weeks Proportionate rates for shorter courses	Evening classes Summer session 12 weeks June 30 to Sept. 20, 1913	W. M. R. French Director	Foreign travelling scholarship \$425 American travelling scholarship \$125	Art crafts Basketry; leather work; metal, jewel, and enamel work; pottery; textiles; wood work, etc. A woman may set up a studio or shop for the production and sale of any of these things; may conduct a shop for the sale of the work of others; or may manage such a shop or be employed in it on a salary
Day classes \$25 (Sept to May)	Evening classes	J. H. Gest Director		
Evening classes \$5	Summer session			
(a) Day courses for residents \$33 for others \$43 Evening courses for residents \$8.50; for others \$10.50	Afternoon and evening courses	Arthur A. Hamerschlag Director	Bureau of Recommendations maintained to aid students in securing employment both during and after their course	Art criticism A limited field of journalism Only large metropolitan newspapers employ art critics, and these are usually men. Some opportunity for "space writing" on art and for contributed articles to periodicals
(b) Day courses for residents \$43 for others \$53 Evening courses for residents \$16; for others \$18				Art curatorship—see art cataloguing, docentship, and librarianship An increasing number of art museums and a few private collectors are employing women to take charge of general or special collections. In public museums the work sometimes includes lecturing and teaching, especially in connection with schools and clubs

ART, FINE AND INDUSTRIAL

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Cleveland School of Art Cleveland, Ohio	Academic and normal courses Architectural sculpture Cartooning Ceramics Decorative design Handicraft Illustration Wood carving		4 yrs. each 3 yrs. 4 yrs.	B. A. given by Col- lege for Women of Western Reserve Universi- ty for combined 5 year course
University of Illinois Urbana, Illinois	Art and Design Ceramics (Chemistry and engineering of silicate industries)	College entrance	4 yrs.	B. A. B. S. (in Ceramics) and ad- vanced degrees
Iowa State College Ames, Iowa	Ceramics (Chemistry and engineering of silicate industries)	College entrance	4 yrs.	B. S.
John Herron Art Institute Indianapolis, Indiana	Academic and normal courses Applied design Ceramics		Indefinite 3 yrs.	

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Regular courses 1st year \$50 2d " \$60 3d " \$70 4th " \$70 Special courses proportionate rates	Evening courses	Georgie L. Norton Principal		Art docentship—see art cataloguing, curatorship, and librarianship In some art museums assistants called docents are employed for explaining the collections to individuals or classes visiting the museum. This work is often combined with the other types of work given above
\$24	Summer session	E. J. Lake Director R. T. Stull Acting Director	These courses are chiefly scientific and technical	Art journalism—see art criticism A limited field in connection with the art journals. Chief field in connection with magazines devoted to the art crafts or household arts, departments in women's magazines, etc.; an irregular field in general periodical and newspaper press
Free to residents; non-residents \$50 \$25 a semester		E. W. Stanton Secretary	These courses are chiefly scientific and technical	Art lecturing Unlimited as to subject-matter but difficult to establish on a regular and paying basis. Some new aspects open for trained people, such as art and industry, municipal art, etc.
\$65 a year \$25 a term Evening classes \$20 a year \$8 a term	Summer session from June 16, 1913 12 weeks Evening classes	William Coughlen Acting Director		Art librarianship—see art cataloguing, curatorship, and docentship Many art museums, educational institutions and libraries employ trained librarians to catalogue and have charge of books on art, photographs, and other materials

ART, FINE AND INDUSTRIAL

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Maryland Institute Baltimore, Md.	Academic art courses Decorative art with specialization, if desired, in some single branch, e. g. Decorative and mural painting Furniture designing Illustration Jewelry Modeling Mosaic Pottery Stained glass		4 yrs. 4 yrs.	
Massachusetts Normal Art School Boston, Mass.	Academic and normal courses Decorative and applied design Engraving Lithography	High school graduation	4 yrs. 4 yrs. 2 yrs. 3 yrs.	
Minneapolis Society of Fine Arts School of Art Minneapolis, Minn.	Academic and normal courses Cartooning Design and handicraft House decoration Illustration Jewelry and flat metal work Pottery Window decorating	To normal course high school education and 18 years of age		
New York School of Applied Design for Women New York City	Book cover designing Conventionalization Fashion drawing Historic ornament Illustration Textile designing Wall paper designing		2 years in advanced depart- ments	Certificate

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$40 ; \$20 in advance \$20 Feb. 1st	Evening classes Saturday classes	C. Y. Turner Director		<p>Art photography On independent or salaried basis.</p> <p>Art teaching History, theory, and practice of the fine arts in colleges and schools. Theory and application of design. The various applied arts. Openings in schools and departments of household arts and of applied design.</p> <p>Bookbinding Artistic bookbinding is a highly specialized occupation requiring training under the best masters of the art and study of historic bookbinding. A few women have become well-known binders. The demand is limited</p> <p>Book-cover designing Sometimes open to competition. Publishers usually employ their own designers</p>
Residents free non-residents \$50 a term		G. H. Bartlett Principal		
\$65 for eight months Evening classes \$35 for seven months payable in advance	Summer and evening courses	Robert Koehler Director		
\$75 a year \$25 a term \$25 for courses in book cover designing Convention-alization and historic ornament \$10 a term ; costume \$4 a mo. fashion drawing \$3 a mo.		Ellen J. Pond Superintendent		

ART, FINE AND INDUSTRIAL

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
The New York School of Fine and Applied Art New York City	Academic and normal courses Advertising (see illustration) Applied arts Basketry Clay modeling Costume design Illustration and advertising Interior decoration and furnishing Lace design and making Leather work Metal work Porcelain design and painting Rug and carpet designing Stenciling and block printing Textile designing Wall paper designing	Only to normal course	2 or 3 yrs	Certificate 1 year Diploma 2 and 3 yrs.
New York State School of Clay- working and Ceramics Alfred University Alfred, N. Y.	Ceramics Art course Normal course Technical course	College en- trance to art and normal courses Technical course English mathematics science, one modern language drawing	4 yrs.	Art course Ph. B. Technical course B. S.
H. Sophie Newcomb Memorial College for Women School of Art Tulane University of Louisiana, New Orleans, La.	Academic and normal courses Design Interior decoration Metal work Pottery Embroidery	College entrance Special stu- dents over 19 years if fully qualified to enter courses desired	4 yrs.	B. A. in Educa- tion Diploma in art Certificate to special students

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
<p>\$100 payable in advance half yearly</p> <p>The crafts \$85 for 6 months</p>	<p>Saturday classes</p>	<p>Susan F. Bissell Secretary</p>		<p>Book-plate designing A specialized field in which a few women have been very successful. Usually an independent business on an order basis</p>
<p>Free to residents; non-residents \$50 payable half yearly</p>		<p>Charles F. Binns Director</p>		<p>Buying of art objects or advising about buying. A field that might be developed by women with an exhaustive knowledge of art and of European centers of production or supply. Might be done for individual patrons of art, for firms importing highest class of goods, or for art museums, and include the expert buying of furniture, rugs, laces, embroideries, etc.</p>
<p>\$22.50 a term</p>		<p>Ellsworth Woodward Director</p>	<p>The college maintains a complete equipment for the manufacture of Newcomb Art Pottery. It contemplates granting the degree of Bachelor of Design in the near future Paid commissions taken by graduate students and some undergraduates</p>	<p>Ceramics Designing and decorating of china with knowledge of technical processes involved in making, glazing and firing</p>

ART, FINE AND INDUSTRIAL

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Eric Pape School of Art Boston, Mass.	Academic courses Cartooning Costume design Decorative design Illustration		2, 3 and 4 years	
Pennsylvania Academy of Fine Arts Philadelphia, Pa.	Academic courses Decoration Illustration Mural decoration			
Pennsylvania Museum and School of Industrial Art Philadelphia, Pa.	Academic and normal courses Bookbinding Curatorship Design Illustration Interior decoration Applied arts Leather work Metal work Pottery Textiles Woodwork and carving	English branches and simple drawing	4 years or less 2 yrs. 4 years or less	Diploma
Philadelphia School of Design for Women Philadelphia, Pa.	Academic and normal courses Design, theoretical and technical Illustration		4 years normal art course 3 and 4 yrs design course	Diploma

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$100 for half days \$130 for full days By the month \$17 and \$23.50	Saturday classes Outdoor classes in May	Eric Pape Director		Designing Commercial designing—devices, labels, monograms, signs, trademarks, etc. Costume designing—see fashion designing ; festival, pageant, stage management, etc. Fashion designing—see illustration Furniture designing and decorating Jewelry designing Lace designing Metal designing Mosaic designing Stained glass window designing Rug and carpet designing Textile designing — woven and printed fabrics Wall paper designing
\$50 a term		Anna T. Bennett Acting Curator	Travelling scholarships \$500; 19 awarded in 1911	
\$60 a year in advance	Evening classes Saturday classes	Leslie W. Miller Principal	Two scholarships for advanced study in Italy The Alumni Association of the school has a Business Bureau to develop opportunities for employment and for the disposal of the work of members and students of the school	Festival, pageant, and etage management—see costume designing. A new field in which knowledge of historic costume and setting and of the principles of effective composition, grouping and posture are of the first importance
\$60; \$30 a term Rates for special and partial courses		Emily Sartain Principal	European fellowship giving a year's study in Paris or London	

ART, FINE AND INDUSTRIAL

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
University of Pittsburgh Department of Fine and Industrial Art Pittsburgh, Pa.	Academic and normal courses Advertising Costume designing Design Illustration Interior decoration	High school or normal school graduation	2 year or 4 year normal course	A. B. or B. S. in Education
Pratt Institute School of Fine and Applied Art Brooklyn, N. Y.	Academic and normal courses Clay and wax-modelling Applied design Jewelry Chasing Silver-smithing Wood carving Illustration General and costume	High school education examination in drawing Examinations for candidates not college or normal school graduates	2, 3 and 4 years 2 yrs. 2 yrs. 3 yrs.	Diploma in normal courses Certificate in other courses
St. Louis School of Fine Arts Washington University St. Louis, Mo.	Academic courses Architectural modelling Art crafts Basketry, bookbinding Ceramics Jewelry and metal work Leather work, stencilling Weaving Decorative and commercial design Illustration Interior decoration		3 yrs. 4 yrs.	
St. Paul Institute School of Art St. Paul, Minn.	Academic and normal courses Art crafts Jewelry Leather work Metal work Pottery Stencilling Wood block printing Cartoon and caricature Design, general, commercial Illustration, general, newspaper Mural decoration		Normal course 2 years	

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$110 payable Oct., Jan. and April or \$105 on registration		H. R. Kniffen Director	Demand for trained workers is rapidly increasing in both fine and industrial art	Illustration—see fashion designing. Book, magazine, newspaper, advertisement
1st term \$23-\$30 2nd term \$20-\$27 3d term \$20-\$25 Evening classes \$10 and \$15 for 6 months	Evening courses	Walter Scott Perry Director		Interior decorating General or specialized. Independent business or salaried position with firm Inventory taking and appraising In a few places individuals or firms have made a business of taking inventories of the contents of large private houses, especially of their works and objects of art
\$37.50 a half year Rates for partial courses		E. H. Wuerpel Director	More requests for teachers of ceramics than it has been possible to fill	Lithography
Paid in advance \$50 a year \$15 for a term of 8 weeks Evening school \$35 and \$10	Evening classes	L. W. Zeigler Director		Mural painting and decorating Pageant management—see festival management and costume designing

ART, FINE AND INDUSTRIAL

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Teachers' College School of Practical Arts Columbia University New York City	Academic and normal courses Art photography Bookbinding Ceramics Costume design and illustration Design in art industries Fashion illustration Furniture design House design and decoration Metal work design Textiles and clothing	Examination or certifica- tion in three groups of subjects	4 yrs.	B. S. Advanced degrees
School of the Worcester Art Museum Worcester, Mass.	Course in drawing, painting and design with choice of one craft : Bookbinding Metal work Pottery		3 yrs.	Diploma

- (1) Many of the agricultural and technical colleges and schools give courses in domestic or household arts in connection with courses in household economics.
- (2) Art schools for the most part have no set entrance requirements, but require evidence that the individual applicant can do the work. Where courses are offered by higher academic institutions, the regular admission requirements of these institutions must generally be met.
- (3) This list of occupations is merely suggestive.

BANKING—see Business Administration

BEE CULTURE—see Agriculture

BIOLOGY—see Scientific Training

BOOKBINDING—see Art, Fine and Industrial

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$75 a half-year in advance	Evening and summer courses	B. R. Andrews Secretary of Household Arts	Fellowships \$500 Research scholarships \$250 Graduate scholarships \$150 Special grants for foreign research	Stage management — see festival management and costume designing Stencilling
\$30 a year payable each term in advance : \$12, \$12, \$6	Evening classes in bookbinding design metal work	H. Stuart Michie Director		Window decorating An occupation not as yet entered by educated women in this country but offering a field for artistic and practical skill Wood-block printing

BUSINESS ADMINISTRATION—see Preface and Secretarial Training

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS ⁽¹⁾	LENGTH OF COURSE ⁽²⁾	DEGREE CON- FERRED ⁽²⁾
Boston University College of Business Administration Boston, Mass.	General course in business administration Accountancy Business law, etc.		4 yrs.	Bach. Business Adminis- tration
University of California College of Commerce Berkeley, Cal.	General course in commerce Consular service Insurance Other special fields		4 yrs. 5 yrs. each	B. S.
University of Illinois Urbana, Ill.	General course in business administration Accountancy Banking Consular service Insurance Railway traffic and accountancy Railway transportation		4 yrs. each	A. B.
University of Michigan Ann Arbor, Michigan	General course in business administration Accounting Banking Insurance Mine administration Railway administration		4 yrs. each	Diploma and special certificate

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
	Evening courses	William M. Warren Dean	This new department is to open in the autumn of 1913	Few women have taken thorough training in business administration but opportunities are developing for women with such training, although they will have to prove their individual fitness for positions of real responsibility. Women are now employed as financial secretaries, office-managers, statisticians, etc., in large organizations. Beginning as an ordinary clerk or secretary, a woman who masters the details of business administration may rise to a position of considerable importance. The new science of "scientific management" with its firms of consulting "efficiency experts" opens a field of work for which in some of its aspects women are well fitted.
Free to residents ; non-residents \$20	Summer courses	H. R. Hatfield Secretary		Accountancy A few women are certified public accountants
\$12 a semester	Summer courses	David Kinley Director		Banking Positions as clerks, secretaries, librarians, with occasional higher positions Business and commercial journalism. Clerical and editorial positions on technical and trade publications
Incidental fees Residents \$30 non-residents \$40	Summer session	Shirley W. Smith Secretary		Buying for business houses, department stores, educational and charitable institutions. A field not entered to any extent by educated women, but offering an opportunity for the exercise of modern business methods Efficiency engineering Positions with firms of consulting efficiency engineers or as efficiency experts in factories.

BUSINESS ADMINISTRATION

INSTITUTION	COURSES GIVEN	(1) ADMISSION REQUIRE- MENTS	(2) LENGTH OF COURSE	(2) DEGREE CON- FERRED
New York University School of Commerce, Accounts and Finance New York City	General course in business and accounting	High school graduation	3 yrs.	Bach.Commercial Science
Northwestern University School of Commerce Chicago, Illinois	General course in commerce Accountancy	High school education	2 yrs. college work 3 yrs. in business administration 3 years' work may be done in the evening 1 yr.	Bach. of Business Administration Diploma
University of Wisconsin Madison, Wisconsin	General courses in commerce Accountancy Agricultural problems Banking Business organization Commercial law Corporation finance Foreign commerce Insurance Transportation	Regular college entrance or certificate from accredited schools	4 yrs.	A. B.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(8) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$100 payable quarterly	Morning afternoon evening and summer courses	Joseph French Johnson Dean	Efficiency Bureau for placing students	<p>Factory inspection and other lines of work connected with federal or state departments of labor, special commissions, etc.</p> <p>Filing and cataloguing in large business organizations or departments of such organizations.</p> <p>Financial secretaryship Positions involving not only expert accounting, but often responsibility for raising money</p> <p>Foreign correspondence—see translation, government service. Positions with firms doing a large foreign business, or in government service. A knowledge of Spanish and Latin-American trade conditions very valuable</p>
\$45 a semester In advance for the year \$75	Evening courses	Willard Eugene Hotchkiss Dean	Free tuition given to students for service in the library	<p>Government service, federal and state—see investigation, etc. Positions in State Department, Department of Commerce and labor, state departments of labor, as agents, secretaries, translators, etc.</p> <p>Insurance Positions as agents, clerks, computers, etc. A few women have established independent insurance businesses.</p>
Free for residents; non-residents \$35	Summer session	W. A. Scott Director		<p>Investigation of business and industrial conditions under federal, state, or municipal auspices; under philanthropic organizations</p> <p>Office management</p> <p>Real estate—see rent collection Salaried positions in offices or independent business</p> <p>Rent collection—see real estate Salaried positions usually with institutions or associations owning tenement property</p>

BUSINESS ADMINISTRATION

INSTITUTION	COURSES GIVEN	(1) ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Women's Educational and Industrial Union School of Salesmanship Boston, Mass.	Normal course in salesmanship	No fixed re- quirements as yet. Grad- uates of col- leges or nor- mal schools who have had some business or teaching ex- perience are preferred	6 to 9 mos.	

(1) It has not been possible in all cases to determine admission requirements. They are usually the regular college entrance requirements.

(2) Shorter courses may be taken by college graduates, also work leading to advanced degrees.

(3) This list of occupations is merely suggestive.

BUSINESS COLLEGES AND SCHOOLS—see Preface and Secretarial Training

CERAMICS—see Art, Fine and Industrial

CHEMISTRY—see Household Economics ; Scientific Training

CHURCH WORK—see Religious Training

CIVIL SERVICE—FEDERAL, STATE, MUNICIPAL

Types of occupation in the civil service depend on the candidate's training and on the special branch of the service that she seeks to enter. For ways of securing the desired training, consult appropriate headings in this list.

Eligibility to positions in any of the three classes of civil service is secured through the passing of civil service examinations, or, rarely, through the meeting of some other form of requirement set by civil service authorities. Eligibility, however, does not necessarily mean appointment, and frequently lapses after the expiration of a certain time. In the federal service, all examinations are legally open to women, but their chance of appointment depends on the department or bureau concerned, and varies greatly. Some departments appoint no women. In state and municipal service, examinations are often specified as open or not open to women.

In the federal service the salaries of women as clerks and administrative or technical assistants are better than for the same types of work in private employment ; but women practically never reach the higher positions and the higher grades of salary, above \$3000. In state and municipal civil service, salaries vary in different states and cities, and are, on the whole, lower than in the federal service.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$100 sometimes remitted in special cases		Mrs. Lucinda W. Prince Director	The school has placed all its graduates thus far. It is unable to meet the demand for teachers. Fourteen college graduates have taken the course, and hold positions as educational directors in department stores teachers of salesmanship, welfare managers, etc.	Salesmanship Educated women have not gone into the field as actual salesmen Growing demand for teachers of salesmanship and opportunities for using this training in vocational guidance. Possible field as sales managers or consulting experts Statistical work—see government service, investigation Positions with firms or organizations collecting and editing trade and business statistics Translation—see foreign correspondence, government service May involve translation of foreign trade reports

The types of work in the federal service may be classified as follows :

Clerical work—including administrative and special positions often calling for technical training and the taking of considerable subordinate responsibility.

Work as accountants, agents, computers, assistant curators, draftsmen and typographical workers, editorial assistants, ethnologists, examiners of accounts and claims, interpreters, lecturers, librarians, scientific assistants, special investigators, statisticians, teachers in government institutions, translators.

The types of work in state and municipal service may be classified as administrative work, clerical work, and work as agents, inspectors, or visitors in connection with boards or institutions ; work as scientific or technical assistants in state or municipal laboratories, libraries, museums, etc. ; work as special investigators for boards, commissions, etc. ; work as teachers in state or municipal institutions.

The fullest account of the openings for women in the federal civil service is to be found in a study made in 1912 by the Washington Branch of the Association of Collegiate Alumnae, entitled " A Report on the Status of Women in the Classified Civil Service of the United States Government in the District of Columbia," published in the Journal of the Association of Collegiate Alumnae, Vol. 6, No. 3, April, 1913.

Requests for information should be addressed to the United States Civil Service Commission, Washington, D. C., which issues semi-annually a manual of examinations, revised to January 1 and to July 1, and furnished on request. This contains very specific information. The Commission fills positions in the District of Columbia service, in " field " or outside service, and certain positions in the insular service. State and municipal civil service commissions issue frequent bulletins listing positions to be filled through civil service examinations, and also formal reports. Requests for information should be addressed to the civil service commission of the special state or city.

COSTUMING—see Art, Fine and Industrial

CURATORSHIP—see Art, Fine and Industrial

DAIRYING—see Agriculture

DANCING—see Physical Training

DENTISTRY—see Preface

No specific institutions are given under this heading. There are schools and departments of dentistry connected with most of the coeducational universities. A full list of schools of dentistry is to be found in the second volume of the current annual report of the United States Commissioner of Education.

DIETETICS—see Household Economics

DOMESTIC SCIENCE—see Household Economics

EUGENICS — See Medical Social Service; Psychological Clinic and

(1)				
INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Eugenics Record Office Cold Spring Harbor N. Y.	Field worker's course in eugenics	Ability to do field work successfully tact courage courtesy pertinacity analysis	6 weeks	
School of Eugenics 335 Boylston St. Boston, Mass.	75 lectures on eugenics and the biology of reproduction Laboratory work		5 weeks	

- (1) An increasing number of universities, schools of philanthropy, etc., are giving courses or groups of lectures on eugenics. The fullest information regarding the eugenics movement is to be secured from the Eugenics Record Office, or from the Training School, Vineland, N. J.

ENGINEERING—see Preface and Scientific Training

No specific institutions are given under this heading. There are schools or departments of engineering connected with many of the coeducational universities, and a very few women have taken full training in engineering. One or two higher technological schools are open to women. The annual report of the United States Commissioner of Education for 1911, Vol. 2, gives 15 women and 31,489 men students of engineering in the United States. A list of universities, colleges, and technical schools, with courses and students in engineering, is to be found in the second volume of the current annual report of the United States Commissioner of Education.

ENTOMOLOGY—see Agriculture

Psychopathic Training

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$30 payable in advance	Summer course from June 30, 1913	H. A. Laughlin Superintendent	20 scholarships \$50 each paying tuition and part of expenses Places as field workers immediately available	Field work in eugenics. Hospitals, especially for the insane, and institutions for the care of the epileptic, feeble-minded, etc., are employing field-workers to study the family histories of patients
\$50	Summer course July 7–Aug. 8, 1913	Cornelia B. Rodman Secretary		Lecturing on eugenics. At present a growing popular interest in the subject and the related subject of sex education

EXCEPTIONAL CHILDREN, TEACHING OF—see Psychological Clinic Training;
Social Service

FASHION DRAWING AND DESIGNING—see Art, Fine and Industrial

FORESTRY—see Agriculture

GARDENING—see Agriculture

HOSPITAL ADMINISTRATION—see Business Administration; Household Economics

HOSPITAL SOCIAL SERVICE—see Eugenics, Medical Social Service; Nursing in
Social Service; Psychopathic Training; Social Service

HOUSEHOLD ECONOMICS — See Art, Fine and Industrial; Business

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	(2) LENGTH OF COURSE	DEGREE CON- FERRED
Boston Y. W. C. A. School of Domestic Science Boston, Mass.	General courses in domestic science and art Matron's course in domestic science		1 and 2 yrs.	Diploma
University of California Berkeley, Cal.	Courses in home economics and art		Counted for credit in regular 4 years course	Bachelor's degree
Carnegie Institute of Technology Margaret Morrison Carnegie School for Women Pittsburgh, Pa.	Course in household economics Dietitian's course Institutional management course Teachers course		4 yrs. 4 yrs. (Evening)	B. S. B. S. in Ed. Certificate
University of Cincinnati Department of Household Economics Cincinnati, Ohio	General course in household economics Normal courses in domestic science or art, or both Special fields Continuation school work Dietitian's work Work with children Institution and home management Sanitary inspection Scientific investigation Social settlement work Visiting housekeeping		4 yrs. 2 yrs. 2 yrs.	Diploma Certificate Certificate

Administration, Preface, Scientific Training, Social Service

TUITION	(3) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(4) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$250 \$75 for day pupils		A. Josephine Forehand Principal	Affiliated business agency for placing students	Bacteriology as applied to foods, sanitation, and other household problems—see chemistry, investigation and laboratory analysis
Free to residents ; non-residents fee of \$10 a half-year	Summer session	Lois Kissell Prof. of Domestic Art		Buying of food-stuffs, etc., for co-operative housekeeping groups, institutions, hotels, etc.
Day courses for residents \$33; for others \$43 Evening courses for residents \$8.50; for others \$10.50	Afternoon and evening courses Teachers' continuation courses	Arthur A. Hamerschlag Director	Bureau of Recommendations for placing students and graduates	Catering—see lunch, restaurant, and tea-room management Chemistry—see bacteriology, industrial chemistry, investigation, laboratory analysis Department store lunch-room management. For customers; for employees
\$100 one-half at beginning of each semester		Mrs. A. G. Strong Director		Dietetian, employment as, in hospitals, sanitariums, etc. Diet kitchen management, preparation of scientifically prepared food at low cost District Nursing. Household economics training a valuable supplement to nurses' training

HOUSEHOLD ECONOMICS

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	(2) LENGTH OF COURSE	DEGREE CON- FERRED
Cornell University Department of Home Economics	General course in home economics		4 yrs.	B. S.
Drexel Institute Department of Domestic Science Philadelphia, Pa.	General and normal courses in household economics Dietetics Household management		1 and 2 yrs.	
University of Illinois Urbana, Illinois	General and normal courses in household science Dietetics Household administration		4 yrs.	A. B. or B. S.
Lewis Institute Chicago, Illinois	General and normal courses in domestic economy		4 yrs.	B. S.
Massachusetts State Normal School Framingham, Mass.	General and normal courses in household science Institutional management		3 yrs.	
Mills College Department of Home Economics Mills College P. O. California	General courses in home economics		4 yrs.	B. S.

TUITION	(8) SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	(4) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Free to residents of N. Y. State non-residents \$100; \$50 each half-year	Summer courses	Martha Van Rensselaer Director	College appointment bureau to place students	Domestic science journalism, lecturing, teaching—see household economics Factory lunch-room management
\$100 a year		Helen M. Spring Director		Food-sales management. Especially in connection with women's exchanges, etc., where cooked foods are brought in by consigners.
\$24 \$12 a semester	Summer session	Isabel Bevier Prof. of Household Science		Home and school visiting Household economics a valuable part of training
\$75 a year \$25 at the beginning of each term	Summer and evening courses	George N. Carman Director		Hospital administration and management
Free to residents		Henry Whittemore Director		Household economics journalism Positions on technical or popular journals; editing departments in magazines or newspapers. Household economics lecturing
\$75 a term in advance		Mary B. Vail Director		Household economics teaching in colleges, schools, settlements, Y. W. C. A. classes, etc. Special openings in various types of vocational school

HOUSEHOLD ECONOMICS

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	(2) LENGTH OF COURSE	DEGREE CON- FERRED
University of Nebraska Department of Home Economics Lincoln, Nebraska	General course in home economics		4 years	B. S.
H. Sophie Newcomb Memorial College for Women School of Household Economy Tulane University of Louisiana New Orleans, La.	General and normal courses in domestic science and domestic art		2 years normal course 4 yrs.	Certificate B. A. in Education
Ohio State University Department of Home Economics Columbus, Ohio	General course in home economics		4 yrs.	B. S. in Home Economics
Pennsylvania State College Department of Home Economics State College, Pa.	General courses in domestic science and art		4 yrs.	B. S.
University of Pittsburgh School of Education Department of Household Arts Pittsburgh, Pa.	General course in household arts		4 yrs.	B. S.

TUITION	(3) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(4) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Free	Summer session	Alice Loomis Prof. of Home Economics		Housekeeping — institutional, private, or visiting
\$100 semi- annually in advance		Registrar		Industrial chemistry in connection with the manufacture of food, clothing and domestic products of all kinds—see bacteriology, investigation, and laboratory analysis
\$10 a semester		Ruth A. Wardell Director		Inspection of foods, markets, milk, sanitation, etc., under public or private auspices
Free	Summer session	Sara A. Lovejoy Director		Institutional management in college and school dormitories, hospitals, general and for the insane; hotels; public and private charitable and reformatory institutions; sanitariums, etc.
\$105 a year \$110 if paid by the term		Marguerite L. McLean Director		Investigation of foods, food-values, cost of living, etc., under federal, state, city, or private auspices—see bacteriology, industrial chemistry, laboratory analysis

HOUSEHOLD ECONOMICS

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS ⁽²⁾	LENGTH OF COURSE ⁽²⁾	DEGREE CON- FERRED
Pratt Institute School of Household Science and Arts Brooklyn, N. Y.	General and normal courses in household science or art Institutional household science		2 yrs. 1 yr.	Diploma Certificate
Purdue University Department of Science Lafayette, Ind.	General course in home economics		4 yrs.	B. S.
Rockford College Rockford, Illinois	General and normal courses in household science and art Food and dietetics Home nursing Textiles		2 yrs. 3 yrs. 4 yrs.	Certificate B. A. or B. S.
Simmons College The Fenway Boston, Mass.	General and normal courses in household economics Household management Institutional management		4 yrs.	B. S.
Teachers College School of Practical Arts Columbia University New York City	General courses in dietary administration Foods and cookery Hospital administration Household administration Institutional administration		4 yrs.	B. S.

TUITION	(3) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(4) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$92 \$85 Rates for part time courses	Evening courses	Isabel Ely Lord Director		Laboratory analysis of foods, textiles, and domestic products of all sorts—see bacteriology, industrial chemistry, and investigation
\$35 a year for residents \$60 for non- residents		Stanley Coulter Dean		Lunch-room and tea-room management—see catering, restaurant management. On independent or salaried basis
\$400-\$460 for tuition and board, payable in Sept. and March \$100 for tuition only		Prof. Mary D. Chambers		Milk station management Restaurant management—see catering and lunch-room management
\$100; or partial courses \$6 a term or \$12 a year for each exercise a week \$125 for 1 yr. course institutional management		Evelyn Walker Secretary	One year courses for college graduates with proper preparation	School lunch management. Lunches at cost in high and elementary schools, special classes, open-air schools, etc.
\$75 a half year in advance	Summer session	B. R. Andrews Secretary		Visiting expert in household economics, employment as by schools, settlements, philanthropic organizations, etc. Demonstrations in homes, model tenements, etc.

HOUSEHOLD ECONOMICS

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	(2) LENGTH OF COURSE	DEGREE CON- FERRED
University of Wisconsin College of Agriculture Madison, Wis.	General course in home economics		4 yrs.	B. S.

- (1) Nearly all the coeducational universities and agricultural colleges give courses in household economics and art. Lack of space has led us to omit a number of institutions. A list of universities, colleges, and technological schools, with courses and students in household economy, is to be found in the second volume of the current annual report of the United States Commissioner of Education.
- (2) For admission to most of these institutions, high school education or regular college entrance subjects are required. College graduates may usually omit the academic work, confining themselves to the purely technical study.

JOURNALISM

INSTITUTION	COURSES GIVEN	(1) ADMISSION REQUIRE- MENTS	(1) LENGTH OF COURSE	DEGREE CON- FERRED
Columbia University School of Journalism New York, N. Y.	Courses in economics, English, history, law, politics History of journalism Newspaper technic Statistics	2 yrs. work at Barnard College	2 yrs. in School 3 yrs. in School 1 yr. for those having bachelor's degree	A. B. or B. S. B. Lit. in Journalism

TUITION	(3) SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(4) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Free to residents ; non-residents \$35 a semester	Summer session	H. L. Russell Dean		

(3) Omissions under this heading do not necessarily mean that summer or evening courses are not given, as the facts were not always ascertainable.

(4) This list of occupations is merely suggestive.

INSTITUTIONAL MANAGEMENT—see Household Economics

INSURANCE—see Business Administration

INTERIOR DECORATION—see Art, Fine and Industrial

(2) TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
According to work taken Maximum \$90 a half-year	Summer session	Secretary Barnard College Columbia University New York City	No women students are as yet admitted to first two years' work in School of Journalism Courses in the technic of journalism are conducted by jour- nalists of high repu- tation and position on New York news- papers	Most women in journalism have se- cured their training through act- ual work on newspapers and mag- azines on a basis of good general education and natural aptitude. Of late years, however, schools and departments of journalism have been established in connection with a number of universities. These schools are still in the stage of ex- periment, but aim to give training in the theory and practice of jour- nalism, the practice under condi- tions approximating those found in actual newspaper work.

JOURNALISM

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS ⁽¹⁾	LENGTH OF COURSE ⁽¹⁾	DEGREE CON- FERRED
University of Illinois Department of Business Administration Urbana, Illinois	General course in journalism		4 yrs.	A. B.
Indiana University Journalism Course Bloomington, Ind.	General course in journalism Publicity and advertising The short story	2 yrs. of regular university work with emphasis on history English, and economics	2 yrs.	A. B.
University of Kansas Department of Journalism Lawrence, Kansas	General course in journalism		4 yrs.	Bachelor's Degree
University of Michigan Ann Arbor, Mich.	General course in journalism			
University of Missouri School of Journalism Columbia, Mo.	General course in journalism	2 yrs. of college work	2½ yrs.	Bach. in Journalism
New York University Department of Journalism Washington Square New York City	General course in journalism	High school graduation	2 yrs.	Bach. Commercial Science in Journalism

(2) TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$24 a year	Summer session	David Kinley Director		Advertising On independent basis as advertising agent; on salary with general advertising agencies or in advertising departments of business firms, newspapers, publishing houses, etc.; "free lance" advertising, submitting material to agencies or firms
	Summer session	Joseph W. Purcy Director		Newspaper correspondence An irregular and supplementary type of work in most cases
	Summer session	Charles M. Harger Director		Departmental editing and writing for newspapers and magazines. Work largely in connection with "Woman's Page," "Household Notes," etc.
Free Annual fees \$30 for Michigan students \$40 for non-residents	Summer session	Secretary of the University (for Bulletin of Courses in Journalism) or Prof. F. N. Scott		Editorial work of more general type on newspapers, magazines, technical, trade, and other journals devoted to special subjects such as agriculture, art. See journalism under different headings in list
\$15 a semester including library fee	Summer session	Walter Williams Dean		"Free-lancing"—see space writing Proof-reading Best positions call for knowledge of the technical processes of typesetting and proof revision
\$150 payable quarterly	Afternoon and evening courses Summer session	J. M. Lee Director		Publishing-house work Clerical, secretarial, and editorial positions in general, educational, or special publishing-houses

JOURNALISM

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS ⁽¹⁾	LENGTH OF COURSE ⁽¹⁾	DEGREE CON- FERRED
University of Washington Department of Journalism Seattle, Wash.	General course in journalism Advertising Editing and editorial writing Newspaper history Newspaper writing Printing Reporting		4 yrs.	Bachelor's degree
Western Reserve University School of Journalism Cleveland, Ohio	General course in journalism Editorial writing European journalism History of journalism Newspaper administration— legal, financial, operative Laboratory work on Cleveland newspapers Reportorial writing	Not yet determined. Will require considerable college work possibly a college degree		
University of Wisconsin Madison, Wis.	General course in journalism Editorial writing Newspaper writing and editing Newspaper reporting and correspondence Printing and publishing Special feature and magazine writing Technical and trade journalism		4 yrs.	B. A.

(1) No entry is made under this heading when the admission requirements are the regular college entrance requirements.

The length of the regular undergraduate course is given here. College graduates who have had the required academic work may complete the course in a briefer period.

(2) TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(3) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Residents free summer session \$10	Summer session	Prof. E. S. Sheridan		<p>Reading of manuscripts A limited field but with some good opportunities especially in magazine and book-publishing houses</p> <p>Reporting For women, usually of entertainments, conventions, and other special events such as lectures, concerts, exhibitions</p> <p>Reviewing Limited but with some opportunities on both newspapers and magazines</p> <p>Space-writing—see free-lancing and syndicate writing Work not on a salary basis, but sold at so much a column or number of words. Material in the Sunday papers is largely of this kind; and many syndicates buy such material for distribution to papers, especially in smaller places</p> <p>Syndicate writing—see free-lancing and space-writing</p>
Residents free non-residents \$35 a semester	Summer session	D. C. Mathews Executive Secretary of the University	This school was established in 1913 and plans for its organization and opening are not yet complete	
Residents free non-residents \$35 a semester	Summer session	W. G. Bleyer Director of course in Journalism		

(2) From the returns received a fair comparison of the expense of courses in the various institutions can hardly be made as some of the institutions count tuition as free, but demand considerable sum total of fees

(3) This list of occupations is merely suggestive.

LANDSCAPE GARDENING—see Agriculture

LAW—See Business Administration; Social Service

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Boston University Law School Boston, Mass.	Regular courses in law	Certification or examina- tion in speci- fied college entrance subjects	3 yrs. For col- lege grad- uates in ex- ceptional cases 2 yrs.	LL. B.
University of California Hastings College of the Law Berkeley, Cal.	Regular courses in law Case method and moot court	2 yrs. college for LL. B. candidates 3 yrs. for J. D. candidates	3 yrs.	LL. B. J. D.
University of Chicago Law School Chicago, Ill.	Regular courses in law Practice courses and moot courts	3 yrs. college for J. D. candidates College en- trance for LL. B. candidates	3 yrs.	J. D. LL. B.
Cornell University College of Law Ithaca, N. Y.	Regular courses in law with academic work in 4 yr. course	Specified col- lege entrance subjects 1 yr. college	3 yrs. 4 yrs.	LL. B.
University of Illinois College of Law Urbana, Ill.		1 yr. in arts in an approved college	3 yrs.	LL. B. J. D.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(2) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$150 semi-annually in advance		Homer Albers Dean	A number of \$50 scholarships allotted to college graduates on basis of need and collegiate standing. Employment bureau for placing students and graduates	Law was among the earliest of the professions open to women; but few women take legal training and the fields of work open to them as lawyers are comparatively restricted. The training is, however, highly valuable in certain forms of social work, in social and economic investigation, and in college and university teaching of economics, politics, and sociology. There is a chance for women lawyers to specialize in the phases of law most directly affecting women and children
Free	Summer session	Edward R. Taylor Dean		
\$50 a quarter on or before first day		James Parker Hall Dean	"Almost no demand for women lawyers. Very difficult to secure suitable office positions for them"	Banking law Women with legal training along this line occasionally hold responsible positions with banks and trust companies
\$100 semi-annually		Frank Irvine Dean	State scholarships University Scholarships Three special scholarships	Business and commercial law This training is of value in many of the higher business positions held by women
\$50 a year on registration		O. A. Harker Dean		Clerical work in law offices or in law departments of firms and corporations Court stenography. Women in this field are sometimes lawyers

LAW

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
University of Michigan Department of Law Ann Arbor, Mich.	Regular courses in law Practice court	1 yr. college (to be in- creased to 2)	3 yrs.	LL. B. J. D.
University of Minnesota Law School Minneapolis, Minn.	Regular courses in law	2 yrs. college	3 yrs.	LL. B.
New York University School of Law Washington Square New York City	Regular courses in law	High school graduation for LL. B. candidates College graduation for J. D. candidates	3 yrs. 4 yrs. 4 yrs.	LL. B. J. D. LL. M. J. S. D. To be introduced
Northwestern University Evanston, Ill. Law School Northwestern University Building Chicago	Regular courses in law, moot and practice courts Editorial work on Illinois Law Review	College graduation for J. D. candidates High school graduation but college work recommended for LL. B. candidates	3 yrs. 4 yrs. Combined course in arts and law 6 yrs.	LL. B. LL. M. J. D.
Washington College of Law Washington, D. C.	Regular courses in law Moot court Parliamentary law	4 yrs. high school or equivalent	3 yrs. 4 yrs.	LL. B. LL. M.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	(2) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$72 for residents ; \$97 for non-residents (including matriculation fee) ; payable on registration	Summer session 10 weeks	Henry M. Bates Dean		<p>Inspection and agency work for societies or government departments such as societies for the prevention of cruelty to children or animals ; departments of health, housing, labor, etc. Legal training valuable</p> <p>Insurance law In connection with insurance business</p>
\$65		William R. Vance Dean		<p>Juvenile court work A field which women with legal training might well enter as probation officers, truant officers, etc.</p>
\$120 a year payable quarterly in advance	Afternoon and evening sessions	Clarence D. Ashley Dean	5 scholarships of \$100 5 prizes of \$50 to \$75	<p>Law journalism</p> <p>Law librarianship In special law libraries, in certain corporation libraries, in departments of general libraries.</p> <p>Law as an independent profession There is a small but increasing number of practicing women lawyers who tend, like men, toward specialization in certain branches of law</p>
\$150 a year in three installments	Summer reading course for 1 or 2 year students	John Henry Wigmore Dean	1 scholarship \$150 Monitorships \$150 Numerous prizes \$50 to \$100	<p>Law teaching Some higher institutions give courses in law and jurisprudence in their liberal arts departments. In a very few instances there are women teaching in law schools</p>
\$60 in two installments	Evening courses	Mrs. Ellen S. Mnssey Dean	Organized especially for women, but open to men and women	Legal work for associations and organizations, such as legal aid societies, child labor committees, associations for labor legislation, equal suffrage associations, etc.

LAW

(1)				
INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
University of Wisconsin Law School Madison, Wis.	Regular courses in law Procedure and practice courses	2 yrs. college Entrance Examination in English	3 yrs. combined courses in arts and law 6 yrs.	LL. B.

(1) Courses in law are comparatively standardized, and this consideration, together with lack of space, has led us to omit a number of institutions making returns. Law schools not connected with universities have for the most part been omitted. A full list of law schools is to be found in the second volume of the current annual report of the United States Commissioner of Education.

(2) This list of occupations is merely suggestive.

LIBRARY TRAINING

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
Carnegie Library of Pittsburgh Training School for Children's Librarians Schenley Park Pittsburgh, Pa.	General course in library science	Degree from some accredited college and recommendation or examination	2 yrs.	
	Special course stressing work with children	One year's instruction in an accredited library school and recommendation from its director	1 yr.	

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	(2) OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Residents free	Summer session	H. S. Richards Dean		Probation work with women Legal training might here be a valuable asset Real estate law In connection with real estate business Suffrage movement—see legal work for organizations

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
1st year \$100 2d year free \$100		Sarah C. N. Boyle Director	Paid practice work given in second year; also to students in special 1 year course Positions are not promised to students but the demand is much greater than the supply, and the school gives all possible assistance to students	Librarianship is one of the relatively standardized professions for women; but new types of special librarianship are rapidly developing, and some of the library schools are beginning to offer special training for these fields Bank librarianship Filing and cataloguing of papers and documents in banking houses, trust companies, etc.

LIBRARY TRAINING

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Cleveland Public Library Cleveland, Ohio	Course of training for library work with children	College grad- uation, per- sonal inter- view	1 yr.	
Drexel Institute Library School Drexel Institute Philadelphia, Pa.	General course in library science	Good general education. In some cases summer work in an approved li- brary (always an advantage) may be re- quired in preparation Examina- tions in June	1 yr.	Certificate
University of Illinois Library School Urbana, Illinois	General course in library science Special course Field work	Bachelor's de- gree from an approved college Evidence of fitness	2 yrs.	Bach. of Library Science
Indiana Library School Indianapolis, Ind.	General course in library science Course of training for specialized librarianship	Examination or college graduation	1 yr. 1 yr.	Certificate "

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Free		Director of Children's Work	Upon satisfactory completion of the course, students are assigned positions in the children's department. In return for the instruction it is assumed that the services of the students will be available for two years at the usual rate of compensation	Business librarianship Similar work in commercial and industrial establishments; filing and indexing of designs, illustrations, etc. Children's librarianship A well established field in connection with children's rooms, departments, etc., in public or general libraries. May include story-hours, work with schools, settlements, etc.
\$50 \$25 a term		June Richardson Donnelly Director		College librarianship General or departmental positions
\$12 a semester payable on registration	6 weeks summer session	P. L. Windsor Director		Departmental librarianship—see college, general, public, and special librarianship
\$50 half in Oct. half in Feb.		Merica Hoagland Director	A limited number of scholarships to residents of Indiana As far as possible actual practice in special libraries	Document librarianship—see civil service. Positions in document rooms in connection with general or special collections of documents

LIBRARY TRAINING

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
Library School of the New York Public Library New York City	General course	Examination or, in exceptional cases, graduation from approved college	1 yr.	Certificate
	Special course	Certificate of first course and recommendation, or graduation from accredited library school with recommendation	1 yr.	Diploma
New York State Library School Albany, N. Y.	General course	Graduation from a college registered by the State Education Department	2 yrs.	B. L. S. Univ. of State of New York
	Special courses	Special students considered on their individual merits Position as librarian or library assistant		
Pratt Institute School of Library Science Brooklyn, N. Y.	General course	Exam. in hist., Lat., French, German general information current events	1 yr.	
	Advanced course in library teaching	Library school graduation	1 yr.	

LIBRARY TRAINING

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
Simmons College Department of Library Science Boston, Mass.	General course	Regular college entrance	4 yrs.	B. S.
	One-year course	College graduation	1 yr.	B. S.
	Special courses	Evidence of fitness Appointment to library position	6 weeks	
Springfield City Library Library Training Class Springfield, Mass.	Apprentice course	Examination equivalent of high school education	10 mos.	
Syracuse University Library School Syracuse, N. Y.	Longer technical course	College graduation	2 yrs.	Bach. of Library Science
	Shorter technical course		1 yr.	Bach. of Library Economy
Western Reserve University Library School Cleveland, Ohio	Regular course Special work	Examinations in general history and information, general literature, two languages, one modern One month's preliminary work in approved library	1 yr.	Certificate

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$100 \$50 at beginning of each term \$8 a term or \$12 a yr. for each exercise a week \$20 for summer course \$5 each individual course	Summer course for librarians	Mary Esther Robbins Chairman		Public librarianship
Free		Hiller C. Wellman Librarian		School librarianship In public, private or special schools
\$37.50 a semester. Incidental fees \$16.50 a semester Deposit for books and supplies \$20 1st yr. \$10 2d yr. In addition should allow \$50 for library trips		Mrs. Mary J. Sibley Director		Special librarianship Positions in special libraries of art, engineering, law, medicine, philanthropy, theology, etc. See headings in general list
\$100 \$50 at beginning of each semester Not more than \$30 a yr. for books Library trips not more than \$25		Julia M. Whittlesey Director		

LIBRARY TRAINING

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
University of Wisconsin Library School Madison, Wis.	General course in library science	Examination especially in history, general literature, and current events	1 yr.	Certificate
	Combined library and college course	Regular college entrance and library school examination in sophomore year Typewriting	4 yrs.	A. B. and Certificate'

LITHOGRAPHY—see Art

MEDICAL SOCIAL SERVICE—See Eugenics; Medicine; Nursing in Social

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
School for Social Workers Boston, Mass.	Courses in medical social service	Completion of the general course in social service, or acceptable experience in social work	1 yr. Special course of 5 mos. for those already engaged in medical social service	

- (1) So far as can be ascertained the Boston School for Social Workers is the only institution offering a specific course in medical social service. But other schools of philanthropy, departments of sociology in universities and colleges, etc., are giving increasing attention to this new field of social service.

See Medical Social Service as a Vocation for Women, Vocation Series, Bulletin No. 11, April, 1912. Appointment Bureau, Women's Educational and Industrial Union, Boston.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$50 for residents; \$100 for non-residents payable semi-annually		Mary E. Hazeltine Preceptor	Field work for 8 weeks in large Libraries of state	

Service; Psychopathic Training; Social Service

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$50 \$40		Jeffrey R. Brackett Director, or Ida M. Cannon Head Worker Social Service Department Massachusetts General Hospital Boston	This course includes 5 months of supervised field work in the social service department of the Massachusetts General Hospital or of the Boston Dispensary	Medical or hospital social service is a new type of occupation; but many hospitals, dispensaries, clinics, etc., are employing trained women to carry on personal "follow-up" work with their "out patients" or discharged patients. There is difference of opinion as to whether nurse's training is necessary. The worker must certainly have broad social service training and experience Psychopathic social service involves the same sort of personal investigation and care of patients in connection with hospitals for the insane, psychopathic hospitals, etc.

MEDICINE—See Psychological Clinic Training; Psychopathic Training;

(1) INSTITUTION	(1) COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Boston University School of Medicine (Homeopathic) Boston, Mass.	Regular courses in medicine, surgery, etc. Nervous and mental diseases Sanitary science and preventive medicine Clinical facilities, including a state hospital for the insane Post-graduate courses	Certification or examina- tion in speci- fied entrance subjects From 1914 1 yr. college	4 yrs. 5 yrs. Combined course in arts and medicine 6 yrs.	M. D. M. B. Ch. B. M. D.
University of California College of Medicine Berkeley, San Francisco Los Angeles	Regular courses in medicine, surgery, etc. Hospital and clinical facilities	2 yrs. college with courses in physics chemistry biology and reading knowledge of German	4 yrs. Combined course in arts and medicine 7 yrs.	M. D. B. A., B. S. B. L. and M. D.
University of Chicago Rush Medical College Chicago, Illinois	Regular courses in medicine surgery, etc. Preventive and clinical medicine Nervous and mental diseases Hospital and clinical facilities Graduate courses	2 yrs. college including chemistry physics biology Latin and reading knowledge of French or German	4 yrs. 5 yrs. Combined course in arts and medicine 6-6½ yrs.	M. D. M. D., cum laude A. B. Ph. B. S. B. M. D.
Cornell University Medical College Ithaca, N. Y. and New York City	Regular courses in medicine, surgery, etc. Special departments Neurology Psycho-pathology Orthopedic surgery, etc. Hospital and clinical facilities, especially in Bellevue Hospital, Cornell Division Special and post-graduate courses	Bachelor's degree or its equivalent with courses in chemistry physics biology	4 yrs. Combined course in arts and medicine 7 yrs.	M. D.

Public Health Training ; Social Service

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$125 payable Nov.	Summer session 6 weeks for post-graduates	John P. Sutherland, M. D. Dean	Scholarships and loan funds. A number of appointments and internships open to graduating class	Medicine was the first of the three learned professions opened to women; and there are many women doctors in private practice and in institutional work. In the last fifteen years the proportion of college women in medicine has been smaller than it was in the two preceding decades. At present many of the newer social and scientific fields are calling for college women with medical training, and the demand exceeds the supply. The opportunity is probably greater in these fields than it is in private practice.
\$150 payable at matriculation		Herbert C. Moffitt, M.D. Dean	Work of first two years at present at Berkeley; last two years in San Francisco or Los Angeles	
\$180	Summer quarter 12 weeks	John Milton Dodson, M.D. Dean, or Marion Talbot, Dean of Women	Scientific courses taken in university departments. Fellowships, scholarships, prizes and aid funds. Internships in Chicago and other hospitals through competitive examinations	Board of health work—state or city boards. Positions as inspectors or as research assistants Clinical and laboratory assistantships in hospitals, etc., or with physicians in private practice
\$150 payable semi-annually		For work at Ithaca, Abram T. Kerr, M. D. Secretary Med. Col. For work in New York William K. Polk, M. D. Dean, Medical College	Four fellowships of \$200-\$250. Prizes from \$25 to \$300 4th year students assigned to clinical, dispensary and surgical "clerkships"	
				Inspection, medical and sanitary, of factories, markets, schools, tenements, etc.

MEDICINE

(1) INSTITUTION	(1) COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Johns Hopkins University Medical Department Baltimore, Md.	Regular courses in medicine, surgery, etc. Courses in psychiatry, orthopedic surgery, art as applied to medicine, etc. Complete hospital and clinical facilities in the Johns Hopkins Hospital and Dispensary, the Phipps Psychiatric clinic, and the Harriet Lane Johnstone Home for Invalid Children Graduate courses	Bachelor's degree in arts or science from recognized college or scientific school, and adequate training in chemistry physics and biology ; a reading knowledge of French and German and some Latin	4 yrs.	M. D.
Leland Stanford Junior University Stanford University, California Medical Department San Francisco, Cal.	Regular courses in medicine, surgery, etc. Courses in hygiene and public health, dietetics, tropical medicine, etc. Hospital and clinical facilities Graduate courses	3 yrs. college with a year each in physics chemistry and biology and a reading knowledge of French or German 2 yrs. Latin	4 yrs. Combined course in arts and medicine 7 yrs.	M. D. A. B. and M. D. A. M. and Ph. D. to those having A. B. and M. D. degrees
University of Michigan Department of Medicine and Surgery Ann Arbor, Mich.	Regular courses in medicine, surgery, etc. Courses in hygiene, diseases of the mind and nervous system Hospital and clinical facilities in University Hospital (including a psychopathic ward) hygienic laboratory, Pasteur Institute Graduate courses	2 yrs. college with a year each in biology chemistry physics ; a fair reading knowledge of German or French and 2 yrs. of Latin	4 yrs. Combined course in arts and medicine 7 yrs.	M. D. A. B. and M. D.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$200	Summer courses for graduates in medicine June 2— July 15 1913	John Whitridge Williams M. D., Dean	1 special scholarship, 6 regular Hopkins scholarships, others irregularly; 15 members of graduating class recommended for one year appointment in the Johns Hopkins Hospital. Also a number of externe appointments	Institutional positions as resident physician in colleges, schools, reformatories for women and girls, homes for women and children, hospitals for the insane, feeble-minded, etc., sanatoria, etc. Private practice Women physicians, like men, tend to specialization in some particular branch
\$150	Marine Biological Laboratory Pacific Grove, Cal. Summer session 5 weeks	William Orphuls, Secretary Medical Faculty	University scholarships, prizes, etc. 14 regular interne scholarships; others available	Probation work, including inspection for social diseases
\$45 for residents; for others \$50 Matriculation and other fees	Summer session 6 weeks Summer Biological Station at Douglas Lake, Mich.	Charles W. Edmunds M. D. Secretary Department of Medicine	The University of Michigan also maintains a Homeopathic Medical College Address W. B. Hinsdale, M. D. Dean	School medical inspection Positions as school physicians

MEDICINE

(1) INSTITUTION	(1) COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
University of Minnesota College of Medicine and Surgery Minneapolis, Minn.	Regular courses in medicine, surgery, etc. Courses in hygiene, nervous and mental diseases Hospital and clinical facilities in University Hospital	2 yrs. in recognized college of science and arts with specified credits in rhetoric, physics chemistry biology ; 2 yrs. of high school Latin reading knowledge of German or French	4 yrs. Combined course in arts and medicine 7 yrs. In science and medicine 6 yrs.	M. D. A. B. and M. D. B. S. and M. D.
New York Medical College and Hospital for Women Medical School New York City	Regular homeopathic course Small hospital	High school with additional year in biology chemistry and physics	4 yrs.	M. D.
Tufts College Tufts College Medical School Boston, Mass.	Regular courses in medicine, surgery, etc. Courses in hygiene and sanitation mental diseases, orthopedic surgery, etc. Hospital and clinical facilities Post-graduate courses	Certification or examination in specified entrance subjects 14 units 1 yr. college advised Tufts offers special course for this	4 yrs.	M. D.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$150 No tuition 5th yr.		F. F. Wes- brook, M. D. Dean		
\$150 \$75 each half yr.		Helen Cooley Palmer, M. D. Dean		
\$150 in advance	Special summer courses	Harold Williams Dean		

MEDICINE

(1) INSTITUTION	(1) COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Woman's Medical College of Pennsylvania Philadelphia, Pa.	Regular courses in medicine, surgery, etc. Hospital and clinical facilities in own hospital and elsewhere	High school and course in inorganic chemistry After Jan. 1, 1914, 1 yr. of college credits in chemistry biology physics and a modern language	4 yrs.	M. D.

(1) Courses in medicine are comparatively standardized, and this consideration, together with lack of space, has led us to omit a number of institutions making returns. A full list of medical schools is to be found in the second volume of the current annual report of the United States Commissioner of Education. Medical Education in the United States and Canada, Bulletin No. 4 of the Carnegie Foundation for the Advancement of Teaching, 1910, makes a critical study of medical education and medical schools. Institutions are listed and rated by states.

MINISTRY—see Religious Training

NURSING IN SOCIAL SERVICE—See Household Economics; Medical

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
University of Colorado School of Social and Home Service Boulder, Col.	Courses in English and science Economics, sociology, social ethics Psychology Principles of nursing Clinical laboratory methods infant hygiene, etc.	Regular college entrance	2 yrs. in university give 58 hrs. credit toward B. A. de- gree 3 yrs. in training school	Certificate B. A.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$175 in advance		Clara Marshall M. D., Dean	Alumnæ Association Fellowship \$500	

Social Service ; Preface ; Public Health ; Social Service

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$15 for residents \$25 for non-residents paid at registration	Summer session	Lawrence W. Cole Secretary		<p>Nurse's training is coming to be regarded by many women who do not intend to take up private nursing as a valuable and even essential preparation for various types of social and institutional service.</p> <p>Board of health nursing—see inspection and school nursing Positions of various kinds under state and especially city boards of health</p> <p>Department store nursing—see factory nursing and welfare work Positions in department stores, etc., to look after health and welfare of employes</p>

NURSING IN SOCIAL SERVICE

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Johns Hopkins Hospital School for Nurses Baltimore, Md.	Regular course in nursing Household economics and dietetics Personal, industrial and public hygiene and sanitation Nursing of nervous and mental diseases Tuberculosis nursing	High school graduation Further education preferred	3 yrs. in- cluding 6 mos. probation	Diploma
University of Minnesota The School for Nurses Minneapolis, Minn.	Regular course in nursing Bacteriology and hygiene Dietetics Hospital and household economics Nursing of children Nursing of nervous and mental diseases Tuberculosis nursing	High school graduation Further education preferred	3 yrs. in- cluding 6 mos. prelimi- nary course	Graduate in nursing
School for Social Workers Boston, Mass.	Special course in visiting, public health, or industrial nursing	Graduation from train- ing school for nurses	8 mos.	
Teachers College School of Practical Arts Department of Nursing and Health Columbia University New York City	Public health nursing District nursing Municipal and industrial hygiene and sanitation Occupations for invalids Public health investigation School nursing Teaching and administration in schools of nursing, district and public health nursing	High school graduation for prelimi- nary courses Graduation from train- ing school for nurses for advanced courses	1 and 2 yr. courses prepara- tory to nurse's training With nurse's training 4-5 yrs.	Technical certificate B. S. in Practical Arts Higher degrees under School of Education

- (1) Regular schools of nursing are not listed with the exception of the schools connected with the Johns Hopkins Hospital and the University of Minnesota. A full list of schools of nursing is to be found in Educational Status of Nursing, by M. Adelaide Nutting, U. S. Bureau of Education Bulletin, 1912, No. 7. See also Medical Social Service as a Vocation for Women. Vocation Series. Bulletin No. 11 (1912), Women's Educational and Industrial Union, Boston.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$50 on entrance Board lodging laundry books and uniforms provided		Elsie M. Lawler Superintendent	This school is an integral part of the Johns Hopkins Hospital	District nursing, urban and rural—see visiting nursing Positions usually under philanthropic or religious associations involving nursing of sick in their homes Factory nursing—see department store nursing and welfare work Infant welfare nursing Positions in connection with milk stations, charity organization societies, prevention of infant mortality organizations, etc. Summer work important
\$25 on entrance Board lodging laundry uniforms provided		Louisa M. Powell Superintendent	This school is under the direct management of the College of Medicine and Surgery of the university	Institutional nursing Positions in public and private institutions of all types—homes, hospitals, reformatories, sanitariums, schools, settlements, etc. Inspection of various kinds under state and city boards or departments, philanthropic organizations etc.—see other headings of this list Investigation A woman with nurse's training and other equipment may be employed as an investigator along most of the lines here indicated
\$60 payable to Simmons College one-half in September one-half in February		Mary Beard 561 Massachusetts Av. Boston, or Jeffrey R. Brackett Director	Field work and home nursing under Associated Charities of Boston and Instructive District Nursing Association	Medical social service Certain hospitals, dispensaries, etc., greatly prefer women with nurse's training in their medical social service. Probation work The appointment of educated women as probation officers and the new movement for studying and controlling the social evil and social diseases open a field for women with nurse's training and fitness for this kind of work
\$75 a half year payable in advance	Afternoon and evening courses Summer session	B. R. Andrews Secretary or Prof. Adelaide Nutting		Psychopathic training Positions for nurses with this special training in institutions or in follow-up and preventive work in homes School nursing An important and rapidly developing field in connection with medical inspection in school systems under boards of education or health Tuberculosis nursing Positions with public or private organizations engaged in the campaign against tuberculosis Welfare work in department stores, factories, rural communities, etc. Visiting nursing—see district nursing and welfare work

PHARMACY—see Preface

No specific institutions are given under this heading. There are schools or departments of pharmacy connected with most of the coeducational universities. A full list of schools of pharmacy is to be found in the second volume of the current annual report of the United States Commissioner of Education

PHOTOGRAPHY—see Art, Fine and Industrial

PHYSICAL TRAINING—See Playground and Recreation Training

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENOTH OF COURSE	DEGREE CON- FERRED
University of California Department of Physical Culture and Summer Session Berkeley, Cal.	General course in physical training Special courses Playground supervision Practice of teaching Anthropometry Summer session, courses in Folk dancing, gymnastics Nature, function and administration of play Organized games Practice in teaching Recreative and therapeutic gymnastics Social center movement	Regular college entrance and 2 yrs. college Qualifications determined by instructor For credit toward degree college entrance	2 yrs. 6 weeks Full training course in three summers	B. A. or B. S.
Cambridge Summer Normal School of Classic Dancing Cambridge, Mass,	Normal course in dancing A review of elementary training and advanced instruction in aesthetic, classical, social, folk and national dancing			
The Chalif Normal School of Dancing New York City	Normal courses in Classical, aesthetic, national, folk and ball room dancing Professional training in Classic, ballet, toe, and national dancing Special course in pantomime		2 mos. in the summer	

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$15	Summer session June 23- Aug. 2, 1913	Recorder of the Faculties or Charles H. Rieber Dean summer session		Athletics, supervision of—see coaching Coaching in various sports and games, basket ball, etc., in schools, clubs, summer camps, settlements, special institutions, Y. W. C. A. branches, etc.
\$100 2 mos. \$50 a term Weekly and special rates	Summer course June 3-July 25	Fannie Faulhaber	Dr. Dudley A. Sar- gent acts as consult- ing director	Corrective gymnastics—see orthopedic gymnastics Work with private patients; in physicians' offices; in schools, special institutions, etc.
\$50 a month Weekly and special rates	Summer course	Louis H. Chalif	Method of the Impe- rial Ballet School of Russia	Dancing, teaching of aesthetic, folk, and fancy dancing in private classes, playgrounds, schools, set- tlements; in connection with pa- geants and festivals

PHYSICAL TRAINING

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
The Chicago School of Physical Education and Expression Chicago, Illinois	General course in physical training Special courses Dancing Corrective gymnastics Playground work, etc.		2 yrs.	
Leland Stanford Junior University Department of Physical Training and Personal Hygiene Stanford University California	General and normal course in physical training and personal hygiene Special courses in Folk and gymnastic dancing Playground administration and supervision Practice teaching	Regular college entrance	3 yrs. 4 yrs. with other college courses in science education sociology	B. A.
New Haven Normal School of Gymnastics New Haven, Conn.	General course in physical training Special courses Camp sanitation First aid to the injured Medical and orthopedic gymnastics	High school education	2 yrs.	
The New York Normal School of Physical Education New York City	General normal course in physical training Special courses Aesthetic and folk dancing Personal and school hygiene Playground administration Sports and games	High school education	2 yrs.	
Normal School of Physical Education Battle Creek, Mich.	General course in physical training Special courses Dietetics Medical gymnastics Playground work Summer course in physical education and playground work		2 yrs. 2 summer terms of 8 wks each	

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$150 a year	Summer session	Mrs. Robert L. Parsons Director		Defectives, physical education of Work in connection with public school classes or institutions for physical and mental defectives
Free to residents		Clelia D. Mosher Director		Directorship of physical education—see supervision and teaching Positions in colleges, normal schools, public and private schools; public and private gymnasiums; playgrounds; recreation centers; Y. W. C. A. branches, etc.
\$150 a year	Summer session	E. Hermann Arnold Director		Gymnastics, teaching of—see directorship, supervision, and teaching
\$150 payable half yearly		Watson L. Savage, M.D. President		Playgrounds, administration and supervision of—see directorship
Including books and incidentals \$100-\$150 Summer term \$25 to \$40 Special rates for single subjects	Summer courses	W. W. Hastings Dean		Recreation centers, administration and supervision of—see directorship

PHYSICAL TRAINING

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
Oberlin College Department of Physical Training Oberlin, Ohio	Teachers' course in physical training Special courses Emergencies Medical gymnastics Playground work	Regular college entrance	4 yrs. (will probably add a fifth yr. after 1913)	B. A. and Teacher's Diploma
Sargent School for Physical Education Cambridge, Mass.	General course in physical training Special courses Corrective gymnastics Playground work	High school education	3 yrs.	
Teachers' College School of Practical Arts School of Education Department of Physical Education Columbia University New York City	General and normal courses in physical training Special courses Corrective gymnastics Playground work	Regular college entrance 2 yrs. college College graduation	4 yrs. 2 yrs.	B. S. in Education M. A. Ph. D.
Temple University Normal Department of Physical Education Philadelphia, Pa.	General and normal course in physical education Special courses Anthropometry Dancing German and Swedish gymnastics Medical and orthopedic gymnastics Playground and games	High school education 1 yr. college 2 yrs. college	2 yrs. 3 yrs. 2 yrs.	Normal Diploma B. S. in Phys. Ed.
Wellesley College Department of Hygiene and Physical Education Wellesley, Mass.	General and normal courses in physical training and hygiene Special courses Anthropometry Corrective gymnastics Dancing Games, plays, and folk dancing Organized sports	Regular college entrance Ultimately course open only to candidates for B. A. degree or to those holding bachelor's degree	2 yrs. 4 yrs.	Certificate B. A.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$100 \$50 a half yr.	Summer session 8 weeks	Dr. Delphine Hanua		Supervision of physical education—see directorship Positions especially as supervisors in public school or public recreation systems
\$150 \$75 at the beginning of each half yr. \$10 to \$50 a month	Summer courses	Dr. D. A. Sargent		
\$75 a half yr.	Summer session evening courses	Prof. Thomas D. Wood		
\$100 payable half-yearly	Evening courses	William J. Schatz Director		
\$175 payable in advance Special courses \$20 for each hour of course		Amy Morris Homans Director		

PHYSICAL TRAINING

INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
University of Wisconsin Department of Physical Education Madison, Wis.	General and normal courses in physical education Special courses Organization and administration Physical education of children and adolescents Physical examinations Nature and function of play Sports and team games	Regular college entrance	4 yrs. 5 yrs.	A. B. Professional certificate

PLAYGROUND AND RECREATION TRAINING—See Physical

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Chicago Training School for Playground Workers Chicago, Illinois	Course for playground workers Dancing and festivals Morris dancing Dramatic art Physical training Sports and street games Story-telling		1 or 2 yrs. according to student's proficiency	
Dartmouth College Summer Session Hanover, N. H.	Course in the school festival Festival dancing and pantomime	Qualifications determined by instructor For credit toward degree all pre-requisites		Certificate

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Free to residents Non-residents \$70	Summer session	J. W. Ehler Director		

Training; Social Service

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$150 Payable Oct. and Feb. 1		Neva L. Boyd Director	The school is in the Abraham Lincoln Center, and is in close relations with Hull House	<p>Training in playground and recreation activities, organization, and supervision is a valuable part of the equipment of the social worker in many lines. See list of occupations under Physical Training. Some of the specific types of playground and recreation work are as follows:</p> <p>Assistantship in summer playgrounds</p> <p>Directorship of summer playgrounds, of winter recreation or social centers, of all-the-year recreation activities of various kinds</p>
\$25	Summer session July 7- Aug. 16, 1913	W. V. Bingham Director		<p>Festival and pageant management. In connection with regular playground or recreation work or as expert employed temporarily by communities giving pageants and festivals</p> <p>Field and traveling secretaryship in playground and recreation organization. Studying and presenting playground and recreation information in various communities. Managing local recreation surveys and campaigns</p>

PLAYGROUND AND RECREATION TRAINING

(1)				
INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
New York University Summer School University Heights New York City	Courses in folk, aesthetic, and classical dancing Group organizations Indoor and outdoor games	Qualifications determined by instructor For university credit college entrance	6 weeks	
University of Pittsburgh Departments of Childhood and of Play Pittsburgh, Pa.	General course for playground workers	For university credit college entrance	2 yrs.	Certificate B. S.
	Special courses in Administration and organization Dramatics, folk dancing and festivals Physical training Story-telling	Special qualified students	3 yrs.	
	School of Childhood Constructive kindergarten and play work Practice teaching		4 yrs.	

(1) Only those institutions are listed under this heading which have not been already given under Physical Education. Full and up-to date information about courses of training for playground workers may be secured from the Playground and Recreation Association of America, 1 Madison Avenue, New York City.

PSYCHOLOGICAL CLINIC TRAINING, TEACHING OF DEFECTIVE

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
Clark University Children's Institute Worcester, Mass.	Courses in psychological clinic work with sub-normal and defective children	College graduation evidence of fitness		A. M. Ph. D.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
At rate of \$10 for each course of 1 hr a day \$15 if only one course taken	Summer session July 1- Aug. 11, 1913	James E. Lough Director Summer School		Investigation of playground and recreation facilities and needs—see field secretaryship and recreation surveys Neighborhood playground and recreation work, usually in connection with settlements, etc.,—see social center Playground and recreation journalism. Positions on special recreation journals or in charge of departments devoted to play and recreation in magazines and newspapers Playground and recreation lecturing—see field secretaryship Playground and recreation surveys, urban and rural—see field secretaryship, investigation. Outside expert often employed Social or community center directorship—see directorship Supervision of school or community playground and recreation activities. Usually involves general oversight of a number of workers in various parts of system
\$105-\$110 a yr.		W. G. Chambers Dean School of Education		

POULTRY RAISING—see Agriculture

PRINTING—see Publishing-House Work

PROBATION WORK—see Social Service

PROOF READING—see Publishing-House Work

CHILDREN—See Eugenics; Medical Social Service; Social Service

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$100 a year		Florence Chandler Clerk of the University or Dr. Theodore L. Smith	This course was temporarily suspended during 1912-1913	Binet and other mental tests, giving of, in connection with psychological clinic work for school-systems, juvenile courts, institutions for the feeble-minded, reformatories for girls, etc.

PSYCHOLOGICAL CLINIC TRAINING, TEACHING OF DEFECTIVE

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Cornell University School of Education Summer Session Ithaca, N. Y.	Education of exceptional children Experimental study of school children Mental and physical tests Laboratory work with Binet-Simon and other recent scales	College entrance College graduation Special students of maturity Summer session teachers and other qualified persons		B. A. Advanced degrees
Harvard University Summer School Cambridge, Mass.	Training of the mentally and morally abnormal, with especial reference to children		6 weeks	
Johns Hopkins University Phipps Psychiatric Clinic Baltimore, Md.	Courses to be arranged Formal opening of the Psychiatric Clinic, April, 1913 Graduate students in psychology have chance to assist in the examination of exceptional children	A. B. or equivalent Sufficient psychological equipment Aptitude for dealing with cases	Varies greatly	Ph. D. in Dept. of Philoso- phy, Psy- chology and Education or M. D. in Medical Dept.
University of Minnesota Department of Philoso- phy and Psychology Minneapolis, Minn.	Mental retardation and training of backward children Clinic in mental development	College entrance and prerequisite college courses College graduation		Bachelors' and advanced degrees

CHILDREN

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$100 a year Summer session \$30	Summer session	Registrar		Field work—see social work Investigation of home and family conditions and family histories of school and institution cases
\$30 for course	Summer course July 1-Aug. 12, 1913	Secretary of Summer School, 20 University Hall	The course is given by Dr. Wm. Healy Director of Chicago Juvenile P s y c h o - pathic Institute	Investigation of extent and types of feeble-mindedness for state boards or commissions, school authorities, philanthropic organizations, etc. (The new Federal Children's Bureau is likely to undertake some such investigation)
\$200 a year		Dr. Adolph Meyer Director, or Secretary of Department of Philosophy Psychology and Education	A good many requests for trained clinicians	Juvenile court work—see Binet tests and probation work Probation work especially with girls. Psychological clinic training, a valuable part of equipment
Incidental fee for residents \$20 Non-residents \$40		John F. Downey Dean		Psychological clinic work—see Binet tests, research

PSYCHOLOGICAL CLINIC TRAINING, TEACHING OF DEFECTIVE

(I) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
New York University School of Pedagogy and Summer School University Heights New York City	Year course Education of defectives Summer courses Education of defective children Clinic, medical and psychological Laboratory course on tests of intelligence Psychology and pedagogy of defectives Social aspects of mental defectiveness Supervision and administration of schools and classes for defectives Model school of defective children	College graduation for candidates for higher degrees Special students admitted In Summer School qualifications determined by instructor College entrance for credits	Varies	
University of Pennsylvania Graduate and Summer Schools Psychological Laboratory and Clinic Philadelphia, Pa.	Courses in abnormal psychology Child psychology Clinical psychology The exceptional child, training and treatment Social research in clinical psychology Tests and measurements Summer school courses Abnormal, child, and clinical psychology Social studies in clinical psychology	Bachelor's degree from college in good standing		The work counts towards an advanced degree
University of Pittsburgh Psychological Clinic School of Education Pittsburgh, Pa.	Courses in clinical psychology Education of exceptional children Psycho-educational pathology and educational therapeutics Clinic practicum Courses in observation and cadet-teaching Medical clinics and prerequisite courses	Certain prerequisites courses in psychology and education Graduation from normal school or college	Varies with preparation and aspirations	B. A. M. A. Ph. D.

CHILDREN

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
<p>\$15 for each course of 2 hours \$10 for each course of 1 hour Summer School \$10 for each course \$15 if only one course is taken</p>	<p>Summer school July 1-Aug. 11, 1913</p>	<p>Registrar or James E. Lough, Summer Session</p>	<p>The year course is given by Dr. H. H. Goddard, Director of Research, Training School, Vineland, N. J.; the summer courses chiefly by Dr. Goddard and Prof. Arnold Gesell of Yale University</p>	<p>Research in the psychology of the feeble-minded or of the exceptionally-minded of any type Increasing opportunities as students or research assistants in psychological laboratories and clinics connected with universities or special institutions. Medical training valuable</p>
<p>\$12.50 yearly for each course</p>	<p>Summer school 6 weeks</p>	<p>Prof. Lightner Witmer Director, or Louise S. Bryant in charge of Social Service Department</p>	<p>Demand for trained workers increasing. The psychological clinic works in close connection with the public schools, the courts, and philanthropic organizations. Its social service department carries on active field work</p>	<p>Social work—see field work In connection with psychological clinics, school systems, special institutions. The Psychological Clinic of the University of Pennsylvania has a social service department New York City has this year appointed two "visiting teachers" to do social work in connection with the special classes of the public school system. Social workers in almost any line will find psychological clinic work valuable.</p>
<p>\$110 a year payable Oct. Jan. and April, or \$105 if paid in advance in Oct.</p>		<p>J. E. W. Wallin Director</p>	<p>The field has recently opened and promises well for the future</p>	<p>Teaching of feeble-minded and retarded in public school special classes, institutions for defectives, delinquents, etc.—see Binet tests</p>

PSYCHOLOGICAL CLINIC TRAINING, TEACHING OF DEFECTIVE

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Teachers College Columbia University New York City	Psychology and treatment of exceptional children Laboratory work	2 years of college College graduation Previous professional experience After July 1, 1914, college graduation except in specified cases	2 yrs.	B. S. in Education Advanced degrees
The Training School for Backward and Feeble-minded Children Vineland, N. J.	Course for teachers of backward or mentally deficient children	A special examination required of those not holding credentials from training or normal schools, or a regular teacher's license	6 weeks	
University of Washington Gatzert Foundation Seattle, Wash.	Courses for psychological clinicians and teachers of defective children	Regular college entrance		Bachelors' and advanced degrees

- (1) The mental examination, testing, and classifying of children and adults is a recent educational and social movement, but one which has developed with extraordinary rapidity, especially since the introduction into this country of the Binet-Simon tests for intelligence at various ages (1908). Psychological clinics have been established chiefly for the testing of backward and defective children; but their methods are being used in connection with juvenile courts, probation work with girls, etc., and there is bound to be still wider application. For the most recent information regarding psychological clinics, address Editor The Psychological Clinic, University of Pennsylvania, Philadelphia, Pa., or Prof. J. E. W. Wallin, University of Pittsburgh.

CHILDREN

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$150 payable each half yr. Summer session \$35-\$40	July 7-Aug. 15 1913	James E. Russell Dean		
\$75 including board and lodging	Summer school for teachers July 8-Aug. 25, 1913	E. R. Johnstone Superintendent, or Dr. H. H. Goddard Director of Research		
Free to residents	Summer session	Stevenson Smith Director		

PSYCHOPATHIC TRAINING—See Eugenics; Medical Social Service;

Psychopathic research and psychopathic social service belong to so new a field of work that specific courses of training, especially for women, have not been organized. In general, preparation is to be secured through courses in abnormal psychology and psychiatry given in university departments of psychology, through advanced courses in nervous and mental diseases given in certain medical schools, and through laboratory or social-service positions of a more or less apprentice character in hospitals for the insane, psychopathic institutes, etc. The work also requires training and aptitude in general social service.

Departments of psychology in the University of Chicago, Johns Hopkins University, Leland Stanford Junior University, the University of Michigan, the University of Pennsylvania, and the University of Wisconsin offer courses in abnormal psychology. The medical schools in connection with Boston University, the University of Chicago, Cornell University, Johns Hopkins University, the University of Michigan, the University of Minnesota, and Tufts College offer courses in nervous and mental diseases with hospital and clinical training. The schools for nurses at Johns Hopkins and Minnesota give training in the nursing of nervous and mental diseases.

PUBLIC HEALTH TRAINING—See Agriculture; Household Economics; Training; Social Service

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Massachusetts Institute of Technology Boston, Mass.	General courses in biology and public health Advanced courses Bacteriology of fermentation industries Industrial hygiene and sanitation Municipal laboratory methods and sanitation Laboratory practice and problems Sanitation of homes, public buildings and watersheds Sanitary and vital statistics Water analysis, supplies, and purification Summer courses in biology and public health	Examination in mathema- tics, chemis- try, physics	4 yrs.	B. S.

Medicine; Nursing in Social Service; Social Service

The University of Michigan has a special psychopathic ward in the University Hospital, and the new Phipps Psychiatric Clinic of Johns Hopkins University offers exceptional opportunities to students of psychology, medicine, and nursing. The Chicago School of Civics and Philanthropy (see Social Service) offers a summer course for attendants and nurses in institutions for the insane.

The Government Hospital for the Insane, Washington, D. C., (Dr. Shepard I. Franz, Psychologist) and the new Psychopathic Hospital in Boston under the Massachusetts State Board of Insanity (Dr. E. E. Southard, Director) are examples of institutions that might provide a few apprentice positions to workers with good preliminary training. A number of hospitals for the insane are employing field and social workers who have had preliminary training in eugenics.

Medical Social Service; Medicine; Nursing in Social Service; Scientific

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$250 Summer courses usually \$25 each	Summer courses June-September	W. T. Sedgewick Director		Public health positions are increasingly held by persons with training as physicians, nurses, or scientific workers, together with interest in social service. The field is more limited for women than for men; but opportunities are rapidly developing. Public health positions are mainly of two kinds, positions as inspectors or positions as research assistants in public health laboratories. Some of the main lines of work are: Board of health work—state or city boards. See civil service, inspection, investigation

PUBLIC HEALTH TRAINING

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
University of Pennsylvania Laboratory of Hygiene and courses in public health Philadelphia, Pa.	General course in Practical hygiene including water, sewage disposal, soils and building sites, adulteration and inspection of foods, clothing, contagious diseases, offensive and dangerous trades, vital statistics Bacteriology applied to public health Medical inspection of schools Sanitary legislation Research in advanced hygiene and bacteriology	M. D. degree or evidence of special training and fitness	1 yr.	On those holding M. D. degree, Doctor of Public Hygiene On others certificate of Certified Sanitarian
Teachers College School of Practical Arts Departments of Nursing and Health and Practical Science Columbia University New York City	General courses in practical science Special courses in Chemistry, organic, household physiological, pathological, sanitary Dietetics Municipal and industrial sanitation Public health investigation		4 yrs.	B. S.
University of Wisconsin Medical School Madison, Wis.	Courses in public health Bacteriology for health officers Chemistry of food, air, water, sewage Public health administration and vital statistics Practical field work	Degree in medicine or in medical or sanitary service or experience in public health work	1 and 2 yrs.	Diploma of Public Health

PUBLIC SPEAKING—see Preface

PUBLISHING HOUSE WORK—see Art; Business Administration; Journalism;
 Secretarial Training

With the exception of certain courses in printing, publishing, and proof-reading given in some of the schools of journalism, there is no specific training for publishing house work. A good general education, secretarial training, and aptitude for writing furnish the best preparation. Publishing house positions are of two types, business and editorial, of which the first type only is open to the beginner. See Advertising, Proof-Reading, Publishing House Work. Vocation Series Bulletins Nos. 2, 4, 6 (1911) Women's Education and Industrial Union, Boston.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$35 to \$50 according to courses		Alexander C. Abbott Director Laboratory of Hygiene		Civil service positions as inspectors or research assistants in federal, state, or city departments Inspection of factories, markets, meat, milk, tenements, water supply, etc. Investigation of food, housing, vital statistics, etc.
\$75 a half-year	Summer courses	Prof. Maurice A. Bigelow		Public health journalism Public health lecturing Organizing and managing campaigns against tuberculosis, venereal diseases, insanity, infant mortality, etc. School medical inspection and supervision
Free to residents ; non-residents \$35		C. R. Bardeen Dean	The courses are given in conjunction with the State Department of Public Health	Secretarial positions with public health departments and organizations, firms of sanitary engineers, etc. Vital statistics, collection and interpretation of

RELIGIOUS TRAINING: SCHOOLS OF THEOLOGY—See Social Service

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
Boston University School of Theology Boston, Mass.	General theological course Courses in Religious psychology and pedagogy Philosophy Sociology Graduate courses	For first division candidates B. A. degree or other bachelor's degrees and knowledge of Greek For second division college entrance	3 yrs.	Bach. Sacred Theol. Diploma Ph. D. S. T. D.
University of Chicago Divinity School Departments of Practical Theology and Practical Sociology Chicago, Illinois	General theological course Courses in Religious education Practical sociology Public speaking and music	A. B. Unclassified students of maturity	3 yrs.	A. M. D. B. Ph. D.
Hartford School of Missions Hartford, Conn.	Course in mission work	College or professional degree or special recommendation	1 yr. or more	Certificate
Hartford Theological Seminary Hartford, Conn.	General theological course	A. B. A knowledge of Greek German philosophy	3 yrs.	B. D.
Meadville Theological School Meadville, Pa.	General theological course	A. B.	3 yrs.	B. D.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$100 Incidental fees		Laurens J. Birney Dean	Candidates for ministry of Methodist Episcopal Church receive scholarships covering tuition and lodging Other scholarships and loan funds	A number of schools of theology admit women, and in several denominations women for many years have been ordained ministers. There are, nevertheless, few women ministers in active pastoral service. A complete or partial course in theology and religious sociology is, however, useful in many fields of religious work. Other types of training for religious service are to be found in the training schools for deaconesses and for Y. W. C. A. secretaries
\$40 a quarter excepting the summer quarter \$5	Summer quarter	Prof. Theodore G. Soares	Fellowships and scholarships	Deaconess work, institutional or parish Religious education Positions as special teachers or in connection with religious education societies or departments of denominational organizations
\$50		E. W. Capen Secretary		Religious journalism and publishing Positions on denominational papers or with publishers of religious books Lecturing on religious topics usually under denominational organizations
Free		W. Douglas Mackenzie President	Scholarships of \$300 a year granted by the Ladies' Advisory Board to carefully selected candidates All the unmarried women graduates of the seminary are in salaried positions	Missionary work, domestic and foreign Parish visiting Pastor's assistantships
Free		Rev. T. C. Southworth President	\$150 scholarships One fellowship \$810	Secretarial positions with ministers or religious organizations Y. W. C. A. secretaryships, foreign, industrial, institutional, etc.

RELIGIOUS TRAINING : SCHOOLS OF THEOLOGY

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
Union Theological Seminary New York City	General theological course	College graduation or examination showing equivalent training	3 yrs.	Diploma with or without B. D.

RELIGIOUS TRAINING: TRAINING SCHOOLS FOR

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
Church Training and Deaconess House of the Diocese of Pennsylvania Philadelphia, Pa.	Course of training for deaconesses and church workers	High school education or equivalent and communicancy in the Episcopal Church or the Church of England	2 yrs.	
Deaconess Home and Training School For Christian Workers of the Presbyterian and Reformed Churches Philadelphia, Pa.	Course of training for deaconesses and church workers	Good health ; good education ; above all sincere Christian faith and church membership	2 yrs.	
New York Training School for Deaconesses New York, N. Y.	Course of training for deaconesses and church workers	Certificate of graduation from approved school or college, or examination	2 yrs.	

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
	Summer course	C. R. Gillett Registrar		

DEACONESSSES AND CHURCH WORKERS

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Free Board lodging and laundry \$200 payable half-yearly		Caroline H. Sanford Head Deaconess		
\$200 a yr. for boarding pupils Non-resident pupils \$5 a term		Edith Earle Stone, Deaconess in Charge	The demand for trained workers is steadily increasing, a much greater demand than the school can as yet supply	
\$300 a yr.		Deaconess Susan Trevor Knapp, Dean	Scholarships for those who cannot afford to pay the increase from \$200 to \$300 in tuition	

RELIGIOUS TRAINING

INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
The Presbyterian Training School Baltimore, Md.	Courses of training for Church secretaries Deaconesses Educational secretaries Evangelists Missionaries Pastor's assistants Social workers	High school education ; college graduates preferred	2 yrs.	

RELIGIOUS TRAINING: Y. W. C. A. WORK

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIREMENTS	LENGTH OF COURSE	DEGREE CONFERRED
National Training School of the Y. W. C. A. New York City	General courses Course for foreign secretaries Industrial and extension course Course for religious work directors	College education or its equivalent and practical experience of some sort either teaching, social work, or Association experience	General course 1 yr. Courses for specialists 2 yrs.	

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Free Registration \$15		Rev. J. S. Conning Superin- tendent		

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$75		Caroline B. Dow, Dean	Practically all the students of the school are placed by the Bureau of Reference of the National Y. W. C. A.	

SCIENTIFIC TRAINING—See Agriculture; Eugenics; Household Economics; ; ; ;

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Biological Laboratory of the Brooklyn Insti- tute of Arts and Sci- ences and Department of Experimental Evo- lution of the Carnegie Institution of Washington Cold Spring Harbor, N. Y.	Courses in botany Courses in zoology Training course for field workers in eugenics Experimental research in heredity of animals and plants	Statement of previous work in biology and references from instructors	6 weeks	
University of California Lick Observatory Mt. Hamilton, Cal. Scripps' Institution for Biological Research San Diego, Cal.	Advanced courses in astronomy botany and zoology Given at the University at Berkeley with special arrangements for research at Lick Observatory and the Scripps Institution Advanced astronomical computation	College graduation		Advanced degrees
Carnegie Institute of Washington Washington, D. C.	Departments of research Department of botanical research Geographical laboratory Department of marine biology Department of meridian astronomy Mount Wilson solar observatory Nutrition laboratory	Evidence of attainment in research		

Medicine; Public Health Training

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$30 Whole expense for session \$75-\$95	Session June 25- Aug. 5, 1913	Charles B. Davenport Director	Number of Students limited to 50. Investigators may arrange to use laboratory at any time of year A few scholarships	Scientific training, especially in the biological sciences and chemistry, is essential in many types of occupation, most of which have been listed under the headings referred to above. Training in astronomy, geology, and physics still finds its best professional outcome in the higher teaching positions. Some of the occupations requiring such training are
		Recorder of the Faculties		Astronomical computing Civil service Positions especially in departments of agriculture and health Curatorship in museums
		D. T. MacDougal Director Desert Laboratory Tucson, Ariz. A. L. Day Director Washington D. C. Alfred G. Mayer Director Tortugas Fla. Geo. E. Hale Director, Mt. Wilson, Cal. F. G. Benedict Director Boston, Mass.	Grants from the Carnegie Institution or opportunities in any of its departments of research are based on important work already under taken	Industrial positions as bacteriologist, chemist, microscopist in factories of various kinds Research assistantships under physicians, professors of sciences, public boards or departments; hospitals, clinics, research foundations (such as the Rockefeller Institute) Secretarial positions involving scientific knowledge

SCIENTIFIC TRAINING

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
University of Colorado Mountain Field Laboratory Tolland, Col. Boulder, Col.	Courses and field work in botany and zoölogy		6 weeks	
Leland Stanford Junior University Marine Biological Laboratory Pacific Grove, Cal. Stanford Station, Cal.	Courses in embryology and zoölogy	College entrance and biological courses	6 weeks	
Massachusetts Institute of Technology Boston, Mass.	Courses in biology and public health, chemistry, and chemical engineering General science Geology and physics Graduate courses	Examinations of Institute or equivalent examinations of College Entrance Examination Board Graduates and students of other colleges Special students of maturity without examination	4 yrs. 5 yrs.	B. S. B. S. (in 2 de- partments) M. S. Ph. D.
University of Michigan Summer Biological Station Douglas Lake, Mich. Ann Arbor, Mich.	Courses in botany and zoölogy			

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$20	Summer laboratory	Prof. Francis Ramaley		
\$25	Summer laboratory	C. H. Gilbert and O. P. Jenkins Directors		
\$250 \$150 at beginning of first term ; \$100 at beginning of second term Summer courses \$25 for each course	Summer courses June-Sept.	Allyne L. Merrill Secretary of the Faculty		
\$20 to students of university \$25 to others	Summer laboratory	Dean Summer Session		

SCIENTIFIC TRAINING

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Marine Biological Laboratory Woods Hole, Mass.	Investigation and instruction in embryology, physiology, and zoölogy	Determined by staff of laboratory		
Naples Zoological Station American Women's Table maintained by the Naples Table Association for Pro- moting Laboratory Research by Women	Independent research in general biology and physiology	Applications for use of Table passed upon by Association	Usually held for 3 mos. sometimes by 4-5 students a year	

SCIENTIFIC TRAINING : RESEARCH FELLOWSHIPS

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Sarah Berliner Research Fellowship for Women	For study and research in physics chemistry, or biology in either America or Europe	Open to women holding Ph. D. degree or equivalent equipment for further research		
Maria Mitchell Astronomical Fellowship of the Nantucket Maria Mitchell Association	For astronomical study and research	Applications passed on by Astronomical Fellowship Committee	6 mos. at Nantucket 6 mos. at some university	

(1) Scientific training, whether for teaching or non-teaching purposes, is best secured through graduate study in the science departments of the leading universities in this country and in Europe. Information as to the best places for work in a given science may be easily gained by the individual student. The above list, therefore, gives only special types of institution and other special facilities for advanced scientific study.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
55 private rooms for investigators Fee \$100 20 research tables for beginners Fee \$50	Summer laboratory June 1- Oct. 1, 1913	Gilman A. Drew Assistant Director	Maintained by 28 subscribing institutions	
In addition to free use of the Table, a special fund is sometimes voted to the holder		Mrs. Ada W. Mead Secretary 283 Wayland Avenue Providence R. I.	The Naples Table for American women is maintained by subscriptions from institutions and individuals Ellen Richards Research Prize of \$1000	

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Value of Fellowship \$1,000		Mrs. Christine L. Franklin 527 Cathedral Parkway New York	Applications must be made by Jan. 1 of each year	
Value of Fellowship \$1,000		Annie J. Cannon Harvard Observatory Cambridge Mass.		

SECRETARIAL TRAINING—See Business Administration ; Preface ;

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
University of California Summer session Berkeley, Cal.	Courses in stenography and typewriting Course for teachers of commercial subjects	Qualifications determined by instructor For credit toward degree college entrance	6 weeks	Credit given toward degree
Carnegie Institute of Technology Margaret Morrison Carnegie School for Women Pittsburgh, Pa.	Course in secretarial studies General academic studies Accounts Business organization Commercial arithmetic and law Filing and Indexing Reporting and field work Shorthand and typewriting Teachers' course Evening courses	Certification or examination on basis of 4 yrs. high school	4 yrs.	B. S. B. S. in Education Certificate
Columbia University Extension Teaching and Summer session New York City	Series of extension courses in secretarial studies Summer courses in Bookkeeping Stenography and typewriting	Full secondary education For credits toward degrees regular requirements	3 yrs. for high school graduates At least 1 yr. for college graduates	
Simmons College Boston, Mass.	Course in secretarial studies General academic studies including economics, history, languages sociology Accounts Business methods Cataloguing Commerce and commercial law Shorthand and typewriting	Certification or examination in specified entrance subjects	4 yrs. 1 yr. for college graduates	B. S. B. S.

(1) Only secretarial courses given by well-known institutions granting higher degrees are listed here. Business or commercial schools are not included. Information about such schools in Boston, New York, Philadelphia and Chicago may be secured from the Appointment Bureau of the Women's Educational and Industrial Union, 264 Boylston Street, Boston; the New York Intercollegiate Bureau of Occupations, 38 W. 32d Street; the Philadelphia Bureau of Occupations, 1300 Spruce Street; and the Chicago Collegiate Bureau of Occupations, 410 Michigan Ave.

Statistical Training

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$15	Summer session June 23- Aug. 2, 1913	Charles H. Rieber, Dean Summer Session		The modern recognition of the value of accurate, permanent, and comparable records in every line of work has created a steadily growing demand for the trained secretary. Stenographic equipment, together with general intelligence and education, opens the way to many types of position, some of them ultimately of importance and responsibility. Among these are Business secretaryship—see financial secretaryship and office management Educational secretaryship in colleges and schools—see institutional secretaryship Executive secretaryship Positions of administrative responsibility in organizations, reached only by those of experience and natural fitness
Day course for residents \$33 for others \$43 Evening courses for residents \$8.50 for others \$10.50	Evening and continuation courses Summer session 1913	Arthur H. Hamerschlag Director	Technical work given in last 2 years of course	Financial secretaryship in institutions and organizations A new type of position calling for expert knowledge of accounting, scientific management, and publicity methods Institutional secretaryship—see educational secretaryship Positions in public and private institutions of all kinds: schools, libraries, museums, hospitals, reformatories, etc. Office management Supervision of clerical staff and routine policy of large offices Organization secretaryship Positions with philanthropic or in investigating organizations, boards commissions, etc.
Extension courses at rate of \$5 for each hour of course Summer session minimum fee \$30 Above 6 hrs. \$5 extra an hour	Extension courses during regular winter session Late afternoon evening, and Saturday courses Summer session July 7- Aug. 15, 1913	James E. Egbert Director of Summer Session and Extension Teaching	For details, see Announcement of Extension Teaching 1912-1913, and Bulletin of Summer Session 1913	Private secretaryship to business men, doctors, lawyers, college professors, research workers, writers, etc. Publishing house secretaryship Social secretaryship to women of wealth and leisure The qualifications here are personal rather than professional
\$100 Half payable at beginning of each term	Extension courses for teachers Summer classes in shorthand and typewriting July 8- Aug. 16	Sarah L. Arnold, Dean or Prof. Edward H. Eldridge		

SOCIAL SERVICE: SCHOOLS OF PHILANTHROPY, Etc.—See
Playground and Recreation Training; Psychological Clinic Train-
Vocational Guidance

(I) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
School for Social Workers Boston, Mass.	General course in social service Community relations . The family Industry Special classes—children, homeless, sick, social administration and policy Advanced course Selected problems with supervised field work Special courses in Medical social service Organizing charity Probation, adult and juvenile Recreation Visiting nursing Wayward boys and girls	High school or college graduation or equivalent with some experience Satisfactory completion of general course General course or acceptable experience in social work	1 yr. 1 yr. 8 mos. to 1 yr.	Diploma
University of California Department of Economics Berkeley, Cal.	Courses in social economics Charities and correction Industrial problems, especially labor and immigration Public health and sanitation Recreation Statistics and survey work Practical social service Investigation Social work	Regular college entrance College graduation	4 yrs.	A. B. Advanced degrees
Clark University Children's Institute and Department of Pedagogy Worcester, Mass.	General survey of child welfare institutions in this country and abroad Psychological clinic training Experimental pedagogy	College graduation or equivalent		Advanced degrees

Household Economics ; Medical Social Service ; Nursing in Social Service ;
ing ; Psychopathic Training ; Public Health Training ; Scientific Training ;

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$100 Proportional charges for part time work		Jeffrey R. Brackett Director	Student-aid for advanced year students if necessary in individual cases Practical work with approved social agencies	Modern social service is so varied and so specialized that it calls for many different types of training and aptitude. Since, however, a person frequently goes from one phase of social work to another, and since any phase involves complicated human relations, it is highly desirable for the prospective social worker to have a broad foundation in the biological sciences, psychology, economics, sociology, and history. Among the main types of social work are Agency work with charity organization societies or other types of philanthropic organization—see charity organization
Free to residents Non-residents fee of \$10 each half year	Summer session June 23— Aug. 2, 1913	Prof. Jessica Peixotto	Students training for professional service are required to do practical work with approved social agencies	Charity organization work Positions as agents, district secretaries, office secretaries, executive secretaries Children, work with—see agency work, juvenile court work, institutional work, children's society work, playground work, psychological clinic work, special class work, summer work Civil service Positions in Federal Department of Commerce and Labor, Federal Children's Bureau, etc., in state and city departments of labor, tenements, charities, etc. Exhibit work—see social and recreation surveys. Preparation of child-welfare, housing, and other types of social exhibit
\$100		Dr. Theodate L. Smith or Florence Chandler Clerk of University	The sociological side of this work is in process of organization. Courses are arranged for individuals	

SOCIAL SERVICE: SCHOOLS OF PHILANTHROPY

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Chicago School of Civics and Philanthropy Chicago, Illinois	Department of general training State charitable administration Public care of children Family rehabilitation Health and housing Immigration Municipal problems Physical and psychical factors in dependency and delinquency Social statistics Survey of social field Department of social investigation Two-thirds of time given to research and field work Courses in methods of social investigation : relief, administration children, immigration Extension department Exhibit and museum material supplied to institutions and agencies Summer course for institutional attendants	College training or acceptable experience A few auditors admitted	1 yr. with second yr. of advanced work	Certificate
University of Colorado School of Social and Home Service Boulder, Col.	General academic studies and courses in economics, sociol- ogy and social ethics, infant hygiene, principles of nursing psychology, etc.	Regular college entrance	2 yrs. 4 yrs.	Certificate B. A.
University of North Dakota College of Liberal Arts Grand Forks, N. D.	General courses for social workers, specializing last two years in Organized charity and neighborhood work Penological and correctional work Work among the insane and feeble minded Work among the deaf, dumb and blind	Regular college entrance	4 yrs.	B. A.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
<p>\$75 for full course Single courses of 22 lectures \$12.50 ; of 44 lectures \$25</p> <p>Summer session \$15</p>	<p>Summer session June 23- July 25, 1913</p>	<p>Graham Taylor President</p>	<p>Scholarships covering tuition open to college graduates A number of research studentships (\$350 and tuition) in the department of social investigation Application should be made not later than May 1 Practical work with approved social agencies included in the training</p>	<p>Home and school visiting Positions calling for personal and home work in connection with pupils of the public schools</p> <p>Institutional work Positions as managers, special teachers, or other experts in public or private institutions for dependents, defectives, and delinquents</p> <p>Investigation under public or private auspices of social and industrial conditions, groups, etc.—see statistical work</p> <p>Juvenile court work</p> <p>Medical social service</p> <p>Nursing—district, school, visiting</p> <p>Organization work Positions on staffs or in offices of social and philanthropic organizations</p>
<p>Residents \$15 Non-residents \$25</p>	<p>Summer session</p>	<p>Lawrence W. Cole Secretary</p>	<p>Designed for those who expect to take nurse's training, to do social work, or to manage a home</p>	<p>Placing out of children</p> <p>Playground work</p>
<p>\$25</p>				<p>Probation work, adult and juvenile</p> <p>Psychological clinic work</p> <p>Psychopathic social service</p> <p>Religious social service, urban and rural Positions as parish visitors, investigators, etc., under church or denominational auspices, Y. W. C. A., etc.</p>

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
New York School of Philanthropy New York City	General courses (first year) History and development of social work Principles and technique of social work Scientific basis of social work Social statistics Types of social agencies Specialized course (second year) Selection of special field for investiga- tion, with class work, reports, con- ferences, and much supervised field work	College training or equivalent Examinations for candi- dates with- out college degrees A limited number of auditors admitted	1 yr. 1 yr.	Certificate Diploma
Philadelphia Training School for Social Work Philadelphia, Pa.	Groups of courses on Community health Fundamental social institutions Neighborhood social agencies Occupational problems Organization and management of social agencies Practical aspects of social work Social problems	College graduation including 1 year in economics sociology or pedagogy High school graduation with experience in social work Special qualifications at discretion of committee	1 yr. course may be taken in 2 or 3 yrs.	
St. Louis School of Social Economy (Affiliated with Wash- ington University) St. Louis, Mo.	Courses on Problems of children, immigration labor, poverty, public health, etc. Methods of social research Practice of organized charity Race progress and eugenics Field work; research Special courses for workers	College training or experience in social work	1 yr.	Advanced degrees from Washing- ton University

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$150 for the two years payable in three installments beginning and middle of first year and beginning of second year	Summer session June 16- July 25, 1913	Edward T. Devine Director	A limited number of scholarships at \$500 each awarded to second year students Properly qualified students are admitted to courses in Columbia University with no additional charge for tuition The work of the school is accepted by the university toward the degrees of M. A. or Ph. D. Reciprocal advantages in the school to Columbia students	Settlement and neighborhood work Social and recreation center work Positions as directors or assistants in school buildings open as civic and social centers Social and recreation surveys, preparation of--see exhibit work Special teaching--see children Statistical work--see exhibit work, investigation, social and recreation surveys
\$80 for the course: \$35 on entrance \$25 at beginning of next term Single courses \$5 each for 16 hours Half-courses \$3 each for 8 hrs.		William O. Eastman Director	One or more working fellowships of \$250-\$500 offered by each of 15 different co-operating social agencies	Teaching: of mental and physical defects; in industrial, trade, and agricultural schools, etc. Truant officer, work Vocational guidance and investigation Welfare work Positions as welfare secretaries in department stores, factories, etc.
\$40 a yr. or \$20 a semester Special courses \$5 a semester hour	Evening and special lecture courses	George B. Mangold Director		

SOCIAL SERVICE: FELLOWSHIPS, Etc.

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Associated Charities of Boston Boston, Mass.	Course of training for district secretaries in charity organization work	Good common sense, love of people imagination sense of humor, background ability to meet people executive and administrative ability	1 yr. and contract to stay 3 yrs.	
Fellowships of the College Settlements Association	Two fellowships in settlement training involving residence in a settlement maintained by the Association Study of a specific neighborhood problem and courses at a university or school of philanthropy	Graduation from one of the co-operating colleges College courses in economics or sociology Preference for settlement work	1 yr.	
Fellowships of South End House Boston, Mass.	One or two fellowships involving residence in the Women's Residence of South End House, participation in activities of House, and assistance in study of neighborhood conditions	College graduation with college courses in biology economics psychology Secretarial equipment valuable Good academic record and interest in college activities and recreation	1 yr.	

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Salary 1st yr. \$500 2d yr. \$600 3d yr. \$660-\$720 then according to ability		General Secretary 93 Hawkins St., Boston Mass.	Each person in training works under a regular district secretary, and in addition to practical work must take part of the Charity Organization course at the School for Social Workers	
Value of fellowship \$400		Eleanor H. Johnson Chairman 37 Madison Ave., New York City		
Value of fellowship \$500		Esther G. Barrows Head Worker Women's Residence 43 East Canton St. Boston Mass.		

SOCIAL SERVICE: FELLOWSHIPS, Etc.

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	(2) LENGTH OF COURSE	(2) DEGREE CON- FERRED
Fellowships in Social and Economic Research of the Women's Educational and Industrial Union Boston, Mass.	Three fellowships offering training in methods of research applied to the economic and industrial conditions of women and children	College graduation with courses in economics history or sociology Special fitness for social-economic research Graduate work or experience in research preferred	1 yr. of full research or 2 yrs. if combined with graduate work at adjacent institutions Radcliffe Simmons Tech- nology Tufts Wellesley	

(1) See Probation Work, Medical Social Service, Organizing Charity, Social Service for Children, Settlement Work. Vocation Series. Bulletins Nos. 1, 11-14, Women's Educational and Industrial Union, Boston (1911-1913).

See also A Handbook of Opportunities for Vocational Training in Boston. Issued by the Women's Municipal League of Boston (1913).

For information about surveys and exhibits, address Department of Surveys and Exhibits, Russell Sage Foundation, 31 Union Square, New York City.

STATISTICAL TRAINING—See Business Administration; Public Health

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
University of California Department of Economics Berkeley, Cal.	Elementary and advanced statistics with laboratory work			

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Value of fellowship \$500 and traveling and secretarial expenses for 1 yr., or \$300 a yr. for 2 yrs.		Susan M. Kingsbury Director of Research 264 Boylston St., Boston Mass.		

Training; Social Service

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Residents free Non-residents \$10 each half year Summer session \$15	Summer session 6 weeks	Recorder of the Faculties		Statistical training is a valuable equipment for work in a number of different fields, especially in civil service positions of various kinds and in economic, educational, scientific, and social investigations. Several large firms in this country specialize in industrial and trade statistics. While the theory of statistics is highly technical, there is coming to be a demand for a somewhat simpler type of statistical presentation, involving a knowledge of graphics and chart-making

STATISTICAL TRAINING

(1) INSTITUTION	COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	(2) LENGTH OF COURSE	(2) DEGREE CON- FERRED
Columbia University Department of Sociology and Statistics and Teachers College New York City	Principles and methods of statistics Social statistics Laboratory work The application of psychological and statistical methods to education			
Cornell University Department of Political Science Ithaca, N. Y.	Elementary statistics Research in statistics			
University of Pennsylvania Departments of Sociology and Psychology Philadelphia, Pa.	Social and vital statistics Statistical methods			
Simmons College Department of Economics Boston, Mass.	Elementary statistics ; types of schedules and tabulations			
University of Wisconsin Department of Political Economy and College of Agriculture Madison, Wis.	General statistical methods with problems in economic and social statistics Laboratory work Rural statistics			

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$5 a half year for each hour of course up to \$15 Summer session minimum \$30	Summer session 6 weeks	Frederick J. E. Woodbridge, Dean or James E. Russell, Dean Teachers College		Business and trade statistics Positions with firms collecting these
\$100 After July 1 1914, \$125 Summer session \$30 1914, \$40	Summer session 6 weeks	Dean of the Graduate School or of the College of Arts and Sciences		Civil service statistics Positions in federal and state bureaus of the census and in other federal, state, and city departments
\$12.50 a yr. for each hour of course up to \$150 Fellows and scholars exemption tuition fees Summer session \$15 for 1 lecture course of 5 hrs.	Summer session 6 weeks	Herman V. Ames, Dean of the Graduate School Faculty		Statistics gathered by foundations and organizations for educational, economic, social, and scientific research, such as the Russell Sage Foundation, the Carnegie Foundation, etc.
\$100 Half at beginning of each term; \$12 for each exercise a week under 8		Sarah L. Arnold, Dean		
Residents free Non-residents \$35 a semester Summer session \$15	Summer session 6 weeks	Edward A. Birge, Dean H. L. Russell Dean College of Agriculture		

STATISTICAL TRAINING

(1) INSTITUTION	(2) COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	(2) LENGTH OF COURSE	(2) DEGREE CON- FERRED
Women's Educational and Industrial Union Department of Research Boston, Mass.	Fellowships and studentships offering training in methods of research as applied to the economic and industrial conditions of women and children	College graduation with courses in economics history or sociology Special fitness for social-economic research Graduate work or experience in research preferred	1 yr. of full research 2 yrs. if combined with graduate work in adjacent institutions Radcliffe Simmons Technology Tufts Wellesley	

(1) Only courses in statistics given by some of the larger institutions are listed here. The schools of philanthropy are giving increasing attention to social and economic statistics; and recently the Teachers College of Columbia University and the Division of Education of the Sage Foundation have made important contributions in the field of educational statistics.

VOCATIONAL GUIDANCE—See Social Service

(1) INSTITUTION	(2) COURSES GIVEN	(2) ADMISSION REQUIRE- MENTS	(2) LENGTH OF COURSE	(2) DEGREE CON- FERRED
Harvard University Summer School Cambridge, Mass.	Theory and practice of vocational guidance	Determined by instructor	6 weeks	

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Three fellowships at \$500 for 1 yr. or \$300 a yr. for 2 yrs. Necessary traveling and clerical expenses Four studentships offering free training and above expenses Valuable studies published		Susan M. Kingsbury Director of Research		

- (2) Courses in statistics in universities and colleges are given as part of regular undergraduate and graduate courses ; and are therefore subject to the requirements of each institution regarding admission, length of course, and degrees.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSON TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
\$20	Summer school July 1- Aug. 12, 1913	Dr. K. G. T. Webster 19 University Hall Cambridge	Course given by Mr. Meyer Bloomfield Vocation Bureau Boston	The movement for industrial education and the recent studies of retardation and elimination of school children and their entrance upon leaving school at fourteen into "blind-alley" occupations have led to the movement for vocational guidance by the school or by other agencies devoted to the social welfare of boys and girls. Boston and a few other cities have established systems of vocational advisers in

VOCATIONAL GUIDANCE

(1) INSTITUTION	COURSES GIVEN	ADMISSION REQUIRE- MENTS	LENGTH OF COURSE	DEGREE CON- FERRED
Teachers College Summer Session Columbia University New York City	Special course on vocational guidance	For credit regular college entrance For non- matriculates determined by instructor	6 weeks	
Women's Educational and Industrial Union Appointment Bureau and Research Department Boston, Mass.	Course for the training of vocational advisers	Open to a limited number of teachers	1 yr.	

- (1) A considerable literature on vocational guidance already exists, chiefly in periodical and pamphlet form. A treatment in book form is *The Vocational Guidance of Youth*, by Meyer Bloomfield, Boston (1910).

The Public Education Association of the City of New York, 40 W. 32d Street, has a department, the Vocational Education Survey, Alice P. Barrows, Director, which is making a careful study of the whole matter of vocational guidance.

The names and addresses of the Bureaus of Occupations are as follows :

Appointment Bureau of the Women's Educational and Industrial Union, 264 Boylston Street, Boston, Mass. Miss Florence Jackson, Director.

New York Intercollegiate Bureau of Occupations, 38 W. 32d Street, New York City. Miss Frances W. Cummings, Manager.

Philadelphia Bureau of Occupations for Trained Women, 1300 Spruce Street, Philadelphia. Miss Theodora S. Butcher, Manager.

Chicago Collegiate Bureau of Occupations, 410 Michigan Avenue, Chicago. Miss Helen M. Bennett, Manager.

TUITION	SUMMER AND EVENING COURSES, ETC.	PERSONS TO ADDRESS	REMARKS	OCCUPATIONS FOR WHICH THIS TRAINING PREPARES
Minimum \$30	Summer session July 7- Aug. 15, 1913	Secretary Teachers College	Course given by Prof. F. G. Bonser and a staff of lecturers engaged in practical or research work in vocational guidance	the public schools, and in other places the work is done unofficially by teachers, settlement workers, etc. Social agencies are likewise conducting investigations of the child-employing industries in order to determine those suitable for young people. The need is for people trained to do this vocational guidance work in its various phases
Free for 1st yr.		Florence Jackson Director Appointment Bureau	To be given 1913-1914 with co-operation of Simmons College and of vocational guidance agencies in Boston	It is coming to be recognized that vocational guidance is needed not only by elementary school pupils, but by high school and college students. The "Bureaus of Occupations" established within the last few years in Boston, New York, Philadelphia, and Chicago, for college graduates and other trained women, indicate the effort to meet this need on the part of educated women

